

Product: 366 - Molds, Rusts and Smuts, Absidia ramosa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: absidia and hypersensitivity; absidia and allergy; absidia ramosa; absidia corymbifera allergy

Google: absidia ramosa allergy; absidia ramosa allergy adverse; absidia ramosa allergen; absidia ramosa allergen adverse

Nomenclature

ATCC website: Absidia ramosa (Lindt) Lendner, teleomorph deposited as Tieghemella italiana (Costantin et Perin) Naumov, teleomorph. Stedmans Book (ATCC Fungus Names, 1993): Absidia corymbifera (Cohn) Saccardo et Trotter, 1912. Index Fungorum website: Absidia ramosa (Zopf) Lendn., Mat. fl. crypt. Suisse 3(1): 144 (1908) & Lichtheimia ramosa (Zopf) Vuill., Bull. Soc. mycol. Fr. 19: 126 (1903).

Parent Product

366 - Molds, Rusts and Smuts, Absidia ramosa

Published Data

No supportive data were identified.

A. ramosais is an organism associated with mucormycosis and farmers' lung. These are hypersensitivity reactions and do not affect the safety of the extract.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 367 - Molds, Rusts and Smuts, Achorion (Trichophyton) schoenleinii

Recommended Scientific Name Trichophyton schoenleinii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: trichophyton schoenleinii and allergy (or allergen); trichophyton schoenleinii

Google: trichophyton schoenleinii allergy; trichophyton schoenleinii allergy adverse; trichophyton schoenleinii allergen; trichophyton schoenleinii allergen adverse

Nomenclature

ATCC website: Trichophyton schoenleinii (Lebert) Langeron et Milochevitch, anamorph deposited as Achorion schoenleinii Remak ex Gueguen, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Trichophyton schoenleinii (Lebert) Langeron et Milochevitch Index Fungorum website: Trichophyton schoenleinii (Lebert) Langeron & Miloch. ex Nann., Trattato di Micopatologia Umana (Firenze) 4: 198 (1934).

Parent Product

367 - Molds, Rusts and Smuts, Achorion (Trichophyton) schoenleinii

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 368 - Molds, Rusts and Smuts, Acremonium strictum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: acremonium strictum; acremonium strictum allergy (or allergen); "cephalosporium acremonium"; "cephalosporium acremonium" allergy (or hypersensitivity); w/allergen/antigen/immunotherapy

Google: acremonium strictum allergy; acremonium strictum allergy adverse; acremonium strictum allergen; acremonium strictum allergen adverse

Nomenclature

ATCC website: Acremonium strictum Gams, anamorph deposited as Cephalosporium acremonium Corda, anamorph & Monocillium sp. deposited as Monocillium sp. Stedmans Book (ATCC Fungus Names, 1993): Acremonium strictum Gams (1971). Index Fungorum website: Acremonium strictum W. Gams, Cephalosporium-artige Schimmelpilze (Stuttgart): 42 (1971). Synonymy: Cephalosporium acremonium Corda, Icon. fung. (Prague) 3: 11 (1839); Haplotrichum acremonium (Corda) Pound & Clem., Minn. bot. Stud. 1(Bulletin 9): 672 (1896); Hyalopus acremonium (Corda) M.A.J. Barbosa, Notarisia: 33 (1941).

Parent Product

368 - Molds, Rusts and Smuts, Acremonium strictum

Published Data

PMID 7874942 used bronchial challenge using C. acremonium. No skin testing was performed.

In PMID 2256573, 45% of asthma/rhinitis patients reacted to C. acremonium.

There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
368_Chest 107-711.pdf	7874942	Suda, T.	1995
379_Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 369 - Molds, Rusts and Smuts, Acrothecium robustum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

ISI: Episporogoniella (type species: Didymaria muscigena Speg.) and Rhexocercosporidium (type species: Acrothecium carotae Arsvoll) are included.)

Google: Acrothecium robustum allergy; Acrothecium robustum allergy adverse; Acrothecium robustum allergen; Acrothecium robustum allergen adverse

Nomenclature

ATCC website: Acrothecium robustum Gilman et Abbott. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Acrothecium robustum J.C. Gilman & E.V. Abbott, Iowa St. Coll. J. Sci. 1(3): 323 (1927).

Parent Product

369 - Molds, Rusts and Smuts, Acrothecium robustum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 370 - Molds, Rusts and Smuts, Alternaria solani

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: "alternaria solani"; "alternaria solani" (antigen or allergen); "alternaria solani" (IT or hypersensitivity or allergy)

Google: alternaria solani allergy; alternaria solani allergy adverse; alternaria solani allergen; alternaria solani allergen adverse

Nomenclature

ATCC website: Alternaria solani (Ellis et Martin) Sorauer, anamorph. Stedmans Book (ATCC Fungus Names, 1993): No listing.

Index Fungorum website: Alternaria solani (Ellis & G. Martin) L.R. Jones & Grout, Annual Report of the Vermont Agricultural

Experimental Station 9: 86 (1896); Macrosporium solani Ellis & G. Martin, Am. Nat. 16(12): 1003 (1882); Alternaria solani

Sorauer 1896.

Parent Product

370 - Molds, Rusts and Smuts, Alternaria solani

Published Data

Sole publication (PMID 114493) suggests limited cross-reactivity with A. tenuis.

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
370_ IAAAI 60-229.pdf	114493	Vijay, H.M.	1979

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 371 - Molds, Rusts and Smuts, Alternaria tenuis (alternata)

Recommended Scientific Name Alternaria alternata

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "alternaria alternata"; "alternaria tenuis"; "alternaria alternata" allergen; "alternaria tenuis" allergen; "alternaria alternata" immunotherapy

Google: alternaria tenuis allergy; alternaria tenuis allergy adverse; alternaria tenuis allergen; alternaria tenuis allergen adverse

Nomenclature

ATCC website: Alternaria alternata (Fries) Keissler, anamorph deposited as Alternaria tenuis Nees, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Alternaria alternata (Fries) Keissler (1912); Synonymy: Alternaria tenuis, Nees 1816; Alternaria tomato (Cooke) Brinkman 1931; Alternaria dioscoreae, Vasant Rao, 1961; Torula alternata Fries 1832. Index Fungorum website: Alternaria alternata (Fr.) Keissl., Beih. bot. Zbl., Abt. 2 29: 434 (1912); Synonymy: Torula alternata Fr., Syst. mycol. (Lundae) 3(2): 500 (1832); Ulocladium consortiale sensu Brook; fide NZfungi (2008); Alternaria tenuis Nees, Syst. Pilze (Würzburg): 72 (1816); Macrosporium fasciculatum Cooke & Ellis, Grevillea 6(no. 37): 6 (1877); Alternaria fasciculata (Cooke & Ellis) L.R. Jones & Grout, Bull. Torrey bot. Club 24(5): 257 (1897); Alternaria rugosa McAlpine, Agric. Gaz. N.S.W., Sydney 7: 304 (1896).

Parent Product

371 - Molds, Rusts and Smuts, Alternaria tenuis (alternata)

Published Data

A. alternata (and Cladosporium) sensitivity correlates with asthma severity in Europe.

A. alternaria was used for diagnosis in several papers, PMID 8842553, 1987459, 10843433, 10200024, 15940136, 15614195, 3993865.

Several trials demonstrate that immunotherapy works in rhinitis, PMID 10843433, 12906784, 15745389, 15736717, 3993865, 2406323, 3381709.

Note severe reactions reported in PMID 3544937.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ BMJ 325-411.pdf	12193354	Zureik, M.	2002
371_ CEA 26-794.pdf	8842553	Tariq, S.M.	1996
371_ NEJM 324-359.pdf	1987459	O'Hollaren, M.T.	1991
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
371_ Chem Immunol 81-48.pdf	12102004	Breitenbach, M.	2002
371_ Curr All Asthma Rep 3-347.pdf	12906784	Helbling, A.	2003
371_ Eur Rev Med Pharm Sci 8-289.pdf	15745389	Cantani, A.	2004
371_ J Inv All Clin Immunol 14-312.pdf	15736717	Serrano, P.	2004
371_ JACI 103-709.pdf	10200024	Neukirch, C.	1999
371_ JACI 115-1210.pdf	15940136	Asturias, J.A.	2005
371_ Med Sci Monit 11-CR44.pdf	15614195	Modrzyński, M.	2005
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985
371_ JACI 85-460.pdf	2406323	Horst, M.	1990
371_ Allergol et Immunopath 16-1.pdf	3381709	Cantani, A.	1988
411_ Allergy 41-588.pdf	3544937	Ostergaard, P.A.	1986

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 372 - Molds, Rusts and Smuts, Aspergillus amsterdami

Recommended Scientific Name Aspergillus amstelodami

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: "aspergillus amstelodami"; and "Aspergillus vitis"; allergy(ens); crossreactivity; Eurotium amstelodami"; "Eurotium vitis"

Google: aspergillus amstelodami allergy; aspergillus amstelodami allergy adverse; aspergillus amstelodami allergen;

aspergillus amstelodami allergen adverse

Nomenclature

ATCC website: Aspergillus amstelodami (Mangin) Thom et Church, anamorph; Telomorph: Eurotium amstelodami Mangin.

Stedmans Book (ATCC Fungus Names, 1993): Aspergillus amstelodami (Mangin) Thom et Church, 1926; Telomorph: Eurotium amstelodami Mangin (1909). Synonymy: Aspergillus amstelodami var. alophote Duche, 1935; Eurotium repens var.

amstelodami Vuillemin, 1920. Index Fungorum website: Aspergillus amstelodami Thom & Church, The Genus Aspergillus: 113 (1926); Synonymy: Eurotium amstelodami L. Mangin, Annls Sci. Nat., Bot., sér. 9 10: 360 (1908); Aspergillus vitis Novobr., Nov. sist. Niz. Rast. 9: 175 (1972); Eurotium vitis Novobr., (1972).

Parent Product

377 - Molds, Rusts and Smuts, Aspergillus glaucus

Related Products

372 - Molds, Rusts and Smuts, Aspergillus amsterdami

Published Data

PMID 15597671: This paper used thirteen different species of Aspergillus to perform intradermal testing and RAST including Aspergillus amsterdami.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
385_ Ind J Chest Dis 42-249.pdf	15597671	Aggarwal, S.	2000

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 373 - Molds, Rusts and Smuts, Aspergillus clavatus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: aspergillus clavatus; aspergillus clavatus allergy; aspergillus clavatus allergen; aspergillus clavatus hypersensitivity; aspergillus clavatus immunotherapy

Google: aspergillus clavatus allergy; aspergillus clavatus allergy adverse; aspergillus clavatus allergen; aspergillus clavatus allergen adverse

Nomenclature

ATCC website: Aspergillus clavatus Desmazieres, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Not listed.

Index Fungorum website: Aspergillus clavatus Desm., Annls Sci. Nat., Bot., sér. 2 2: 71 (1834).

Parent Product

373 - Molds, Rusts and Smuts, Aspergillus clavatus

Published Data

Published data supports the association between A. clavatus and hypersensitivity pneumonitis in Scottish malt workers (PMID 1252813), and in 17% of Finnish patients with farmer's lung disease (PMID 421335). There are no published data on the use of the product for diagnosis or immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_ BMJ 1-490.pdf	1252813	Grant, I.W.	1976
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 374 - Molds, Rusts and Smuts, Aspergillus flavipes

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: aspergillus flavipes; aspergillus flavipes allergy; aspergillus flavipes allergen; aspergillus flavipes hypersensitivity; aspergillus flavipes immunotherapy; Sterigmatocystis flavipes; Fennellia flavipes

Google: aspergillus flavipes allergy; aspergillus flavipes allergy adverse; aspergillus flavipes allergen; aspergillus flavipes allergen adverse

Nomenclature

ATCC website: Aspergillus flavipes (Bainier et Sartory) Thom et Church, anamorph; Synonymy: Fennellia flavipes Wiley et Simmons, teleomorph. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Aspergillus flavipes (Bainier & R. Sartory) Thom & Church, Manual of the Aspergilli: 179 (1926); Synonymy: Sterigmatocystis flavipes Bainier & R. Sartory, Bull. Soc. mycol. Fr. 27: 90 (1911); Fennellia flavipes B.J. Wiley & E.G. Simmons, Mycologia 65(4): 937 (1973).

Parent Product

374 - Molds, Rusts and Smuts, Aspergillus flavipes

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 375 - Molds, Rusts and Smuts, Aspergillus flavus

Recommended Scientific Name Aspergillus oryzae

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Aspergillus flavus; Aspergillus flavus allergy
Google: Aspergillus flavus allergy; Aspergillus flavus allergy adverse; Aspergillus flavus allergen; Aspergillus flavus allergen adverse

Nomenclature

ATCC website: Aspergillus oryzae (Ahlburg) Cohn, anamorph deposited as Aspergillus flavus Link, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus flavus Link, 1809; Synonymy: Aspergillus fasciculatum Batista et Maia, 1957; Aspergillus humus Abbott, 1927; Aspergillus pollinis Howard, 1896; Aspergillus wehmeri Constantin et Lucet, 1905; Eurotium Aspergillus flavus de Bary et Woronin, 1870. Index Fungorum website: Aspergillus flavus Link, Mag. Gesell. naturf. Freunde, Berlin 3(1-2): 14 (1809) var. flavus.

Parent Product

381 - Molds, Rusts and Smuts, Aspergillus oryzae

Related Products

375 - Molds, Rusts and Smuts, Aspergillus flavus

Published Data

A. flavus is associated with farmer's lung disease in Finland (PMID 421335) and allergic bronchopulmonary aspergillosis (ABPA) (PMID 1807262). IgE skin tests were performed in PMID 1807262 and 2256573.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
375_ Asian Pac J Allergy Immunol 9-137.pdf	1807262	Shah, A.	1991
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 376 - Molds, Rusts and Smuts, Aspergillus fumigatus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: aspergillus fumigatus; aspergillus fumigatus allergen; aspergillus fumigatus allergy; aspergillus fumigatus allergen IgE; aspergillus fumigatus allergen IgE immunotherapy; aspergillus fumigatus allergen IgE diagnosis
Google: aspergillus fumigatus allergy; aspergillus fumigatus allergy adverse; aspergillus fumigatus allergen; aspergillus fumigatus allergen adverse

Nomenclature

ATCC website: Aspergillus fumigatus Fresenius, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus fumigatus Fresenius, 1863. Syn: Aspergillus aviarius, Aspergillus bronchialis, Aspergillus calypratus, Aspergillus cellulosa. Index Fungorum website: Aspergillus fumigatus Fresen. (1863); Syn: Anamorphic Emericella.

Parent Product

376 - Molds, Rusts and Smuts, Aspergillus fumigatus

Published Data

Aspergillus allergen levels are highly variable in US extracts (PMID 11295652). Prick skin tests from aqueous extracts work (PMID 3993865, 1807262). Important allergen in farmer's lung disease (PMID 421335) and allergic bronchopulmonary aspergillosis (ABPA) (PMID 118528, 12456371). Specific allergen Asp f 3 (PMID 12173308) and Asp f 16 (PMID 11422136) have been identified for ABPA. Best material is intracellular (PMID 9208052).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ JACI 107-641.pdf	11295652	Vailes, L.	2001
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
375_ Asian Pac J Allergy Immunol 9-137.pdf	1807262	Shah, A.	1991
375_ Scand J Resp Dis 60-235.pdf	118528	Sandhu, R.S.	1979
376_ Allergol et Immunopathol 25-153.pdf	9208052	Cruz, A.	1997
376_ Clin Immunol 103-324.pdf	12173308	Ramachandran, H.	2002
376_ Clin Immunol 31-761.pdf	11422136	Banerjee, B.	2001
376_ Front Bioscience 8-102.pdf	12456371	Singh, B.P.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 377 - Molds, Rusts and Smuts, Aspergillus glaucus

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "Aspergillus glaucus"; "Aspergillus glaucus" allergen; "Aspergillus glaucus" antigen; "Aspergillus glaucus" diagnosis; "Aspergillus glaucus" immunotherapy
Google: Aspergillus glaucus allergy; Aspergillus glaucus allergy adverse; Aspergillus glaucus allergen; Aspergillus glaucus allergen adverse

Nomenclature

ATCC: Aspergillus repens; Syn: Aspergillus amstelodami; Aspergillus niveo-glaucus, Aspergillus penicillioides, anamorph deposited as Aspergillus glaucus.

Stedmans: Aspergillus glaucus Link, 1809; Telomorph: Eurotium herbariorum (Wiggers) Link, 1809; Synonym: Aspergillus mangini, Aspergillus sejunctus, Aspergillus umbrosus, Eurotium repens, Eurotium rubrum, Mucor herbariorum.

IF: Aspergillus glaucus (L.) Link, Mag. Gesell. naturf. Freunde, Berlin 3(1-2): 82 (1809); Synonym: Mucor glaucus, Monilia glauca, Eurotium herbariorum, Aspergillus herbariorum, Aspergillus minor, Eurotium minus, Eurotium manginii, Aspergillus herbariorum, Mucor herbariorum, Eurotium herbariorum,

MycoBank: Aspergillus glaucus

Parent Product

377 - Molds, Rusts and Smuts, Aspergillus glaucus

Related Products

372 - Molds, Rusts and Smuts, Aspergillus amsterdami

Published Data

PMID 15597671: This paper used thirteen different species of Aspergillus to perform intradermal testing and RAST including Aspergillus amsterdami.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
385_ Ind J Chest Dis 42-249.pdf	15597671	Aggarwal, S.	2000

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 378 - Molds, Rusts and Smuts, Aspergillus nidulans

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Aspergillus nidulans; Aspergillus nidulans allergy; Aspergillus nidulans allergen; Emericella nidulans; Emericella nidulans allergy; Emericella nidulans allergen; Aspergillus nidulellus; Aspergillus nidulans asthma
Google: Aspergillus nidulans allergy; Aspergillus nidulans allergy adverse; Aspergillus nidulans allergen; Aspergillus nidulans allergen adverse

Nomenclature

ATCC website: Aspergillus nidulans (Eidam) Winter. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus nidulans (Eidam) Winter, 1884; Syn: Emericella nidulans, Diplostephanus nidulans, Sterigmatocystis nidulans. Index Fungorum website: Aspergillus nidulans (Eidam) G. Winter (1884); Syn: Anamorphic Emericella.

Parent Product

378 - Molds, Rusts and Smuts, Aspergillus nidulans

Published Data

Two papers (PMID 9119471, 9784519) describing ASPND1 antigen, a cross reactive glycoprotein with Asp f 2 from A fumigatus. The only evidence for an independent role in IgE mediated disease is PMID 15597671 from India (single clinical report and uncorroborated elsewhere). Cross reactivity with A. fumigatus allergens in allergic bronchopulmonary aspergillosis (ABPA) and cystic fibrosis (CF) suggested (PMID 118528, 9784519).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
375_ Scand J Resp Dis 60-235.pdf	118528	Sandhu, R.S.	1979
378_ Infect Immun 65-1335.pdf	9119471	Calera, J.A.	1997
378_ Infect Immun 66-5175.pdf	9784519	Banerjee, B.	1998
385_ Ind J Chest Dis 42-249.pdf	15597671	Aggarwal, S.	2000

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 379 - Molds, Rusts and Smuts, Aspergillus niger

Recommended Scientific Name Aspergillus niger var. niger

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Aspergillus niger; Aspergillus niger allergy

Google: Aspergillus niger allergy; Aspergillus niger allergy adverse; Aspergillus niger allergen; Aspergillus niger allergen adverse

Nomenclature

ATCC website: Aspergillus niger van Tieghem, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus niger van Tieghem, 1867. Index Fungorum website: Aspergillus niger sensu auct. pro parte, pre 2007; fide Kirk (in litt.).

Parent Product

379 - Molds, Rusts and Smuts, Aspergillus niger

Published Data

Evidence of significant allergen in allergic bronchopulmonary aspergillosis ABPA (PMID 1185283) and allergic rhinitis (AR) (PMID 1807262, 118528, 2256573) and asthma (PMID 2256573, 3986142, 10024232). Specific allergens have been identified. Specific citations are listed in Panel I report to study (Ripe) of skin tests combined with provocation challenges.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
375_ Asian Pac J Allergy Immunol 9-137.pdf	1807262	Shah, A.	1991
375_ Scand J Resp Dis 60-235.pdf	118528	Sandhu, R.S.	1979
379_ Allergy 57-953.pdf	12269943	Baur, X.	2002
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
379_ Br J Indust Med 42-312.pdf	3986142	Topping, M.D.	1985
379_ CEA 28-1591.pdf	10024232	Baur, X.	1998

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 380 - Molds, Rusts and Smuts, Aspergillus ochraceus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Aspergillus ochraceus; Sterigmatocystis ochracea; Aspergillus ochraceus allergen; Aspergillus ochraceus allergy; Aspergillus ochraceus antigen; Aspergillus ochraceus asthma; Aspergillus ochraceus rhinitis

Google: Aspergillus ochraceus allergy; Aspergillus ochraceus allergy adverse; Aspergillus ochraceus allergen; Aspergillus ochraceus allergen adverse

Nomenclature

ATCC website: Aspergillus ochraceus Wilhelm, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus ochraceus Wilhelm, 1877. Index Fungorum website: Aspergillus ochraceus G. Wilh., Inaugural Dissertation (Strassburg): 66 (1877).

Parent Product

380 - Molds, Rusts and Smuts, Aspergillus ochraceus

Published Data

Data were found supporting allergic bronchopulmonary aspergillosis (ABPA) caused by Aspergillus ochraceus (PMID 102184). Citation in Panel I report (pg 3200) to Pennington using A. ochrochus, allergic rhinitis (AR) patient with provocation symptoms.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
380_AJCP 70-840.pdf	102184	Novey, H.S.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 381 - Molds, Rusts and Smuts, Aspergillus oryzae

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Aspergillus oryzae; Aspergillus oryzae allergen; Aspergillus oryzae allergy; Eurotium oryzae

Google: Aspergillus oryzae allergy; Aspergillus oryzae allergy adverse; Aspergillus oryzae allergen; Aspergillus oryzae allergen adverse

Nomenclature

ATCC: Aspergillus oryzae (Ahlburg) Cohn, anamorph deposited as Aspergillus flavus Link, anamorph; Aspergillus oryzae (Ahlburg) Cohn, anamorph; Aspergillus niger van Tieghem, anamorph; Aspergillus flavus Link, anamorph.

Stedmans: Aspergillus oryzae (Ahlburg) Cohn, 1883; Synonymous: Aspergillus flavus var. oryzae (Ahlburg) Saito, 1957.

IF: Aspergillus flavus var. oryzae (Ahlb.) Kurtzman, M.J. Smiley, Robnett & Wicklow, Mycologia 78(6): 957 (1986)

Parent Product

381 - Molds, Rusts and Smuts, Aspergillus oryzae

Related Products

375 - Molds, Rusts and Smuts, Aspergillus flavus

Published Data

A. oryzae alpha amylase (PMID 1897689, 7944002, 1832939, 8087658) associated with baker's asthma and food allergy in a baker (PMID 7741193) and a farmer (PMID 15736722). Sensitization is associated with increased exposure (PMID 10448329). It is present in baked crust (PMID 10718854). Alkaline serine protease (PMID 9623506) and lactase (PMID 10359899) are also allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
381_ Allergy 46-274.pdf	1897689	Blanco Carmona, J.G.	1991
381_ Allergy 50-85.pdf	7741193	Baur, X.	1995
381_ Ann Allergy 73-337.pdf	7944002	Valdivieso, R.	1994
381_ Br J Indust Med 48-604.pdf	1832939	Brisman, J.	1991
381_ Clin Exp All 24-465.pdf	8087658	Baur, X.	1994
381_ Clin Exp All 30-560.pdf	10718854	Sander, I.	2000
381_ IAAAI 116-29.pdf	9623506	Shen, H.D.	1998
381_ J Inv All Clin Immunl 14-346.pdf	15736722	Moreno-Ancillo, A.	2004
381_ JACI 103-1153.pdf	10359899	Bernstein, J.A.	1999
381_ Occup Environ Med 56-197.pdf	10448329	Nieuwenhuijsen, M.J.	1999

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 382 - Molds, Rusts and Smuts, Aspergillus repens

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: aspergillus repens; eurotium repens

Google: aspergillus repens allergy; aspergillus repens allergy adverse; aspergillus repens allergen; aspergillus repens allergen adverse

Nomenclature

ATCC website: Aspergillus repens. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Aspergillus repens (Corda) Sacc., Michelia 2(no. 8): 577 (1882).

Parent Product

382 - Molds, Rusts and Smuts, Aspergillus repens

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 383 - Molds, Rusts and Smuts, Aspergillus restrictus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: aspergillus restrictus; aspergillus restrictus allergen; aspergillus restrictus allergy; aspergillus restrictus asthma

Google: aspergillus restrictus allergy; aspergillus restrictus allergy adverse; aspergillus restrictus allergen; aspergillus restrictus allergen adverse

Nomenclature

ATCC website: Aspergillus restrictus Smith, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus restrictus Smith, 1931. Index Fungorum website: Not Listed.

Parent Product

383 - Molds, Rusts and Smuts, Aspergillus restrictus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 384 - Molds, Rusts and Smuts, Aspergillus sydowi

Recommended Scientific Name Aspergillus sydowii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: A. sydowi; A. sydow; A. sydowii

Google: aspergillus sydowi allergy; aspergillus sydowi allergy adverse; aspergillus sydowi allergen; aspergillus sydowi allergen adverse

Nomenclature

ATCC website: Aspergillus sydowii. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus sydowii (Bainier et Sartory) Thom et Church, 1926; Synonymous: Aspergillus sydowii var.; Sterigmatocystis cemeleo; Sterigmatocystis sydowii. Index Fungorum website: Aspergillus sydowii.

Parent Product

384 - Molds, Rusts and Smuts, Aspergillus sydowi

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 385 - Molds, Rusts and Smuts, Aspergillus terreus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: A. terreus; A. terreus allergy; A. terreus allergen; A. terreus asthma; A boedijnii
Google: aspergillus terreus allergy; aspergillus terreus allergy adverse; aspergillus terreus allergen; aspergillus terreus allergen adverse

Nomenclature

ATCC website: Aspergillus terreus Stedmans Book (ATCC Fungus Names, 1993): Aspergillus terreus; Synonymous: Aspergillus boedijni, Aspergillus galeritus, Aspergillus hortai, Sterigmatocystis hortai. Index Fungorum website: Aspergillus terreus; Syn: Aspergillus boedijnii.

Parent Product

385 - Molds, Rusts and Smuts, Aspergillus terreus

Published Data

Aspergillus terreus was identified as a putative agent in farmers lung (PMID 421335), allergic bronchopulmonary aspergillosis (ABPA) (PMID 118528), rhinitis and asthma (PMID 2256573, possibly PMID 15597671)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
375_ Scand J Resp Dis 60-235.pdf	118528	Sandhu, R.S.	1979
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
385_ Ind J Chest Dis 42-249.pdf	15597671	Aggarwal, S.	2000

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 386 - Molds, Rusts and Smuts, Aspergillus ustus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: A. ustus; A. ustus allergy; A. ustus asthma; A. ustus allergen; A. ustus antigen; Sterigmatocystis ustus; Aspergillus pseudodeflectus

Google: aspergillus ustus allergy; aspergillus ustus allergy adverse; aspergillus ustus allergen; aspergillus ustus allergen adverse

Nomenclature

ATCC website: Aspergillus ustus (Bainier) Thom et Church, anamorph deposited as Aspergillus insuetus (Bainier) Thom et Church, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus ustus (Bainier) Thom et Church, 1926. Index Fungorum website: Not Listed.

Parent Product

386 - Molds, Rusts and Smuts, Aspergillus ustus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 387 - Molds, Rusts and Smuts, Aspergillus versicolor

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: A. versicolor; A. versicolor allergy; A. versicolor asthma; A. versicolor allergen; A. versicolor antigen; Aspergillus lateralis; Sterigmatocystin versicolor; Sterigmatocystin versicolor allergy; Theclospora lateralis

Google: aspergillus versicolor allergy; aspergillus versicolor allergy adverse; aspergillus versicolor allergen; aspergillus versicolor allergen adverse

Nomenclature

ATCC website: Aspergillus versicolor (Vuillemin) Tiraboschi, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aspergillus versicolor (Vuillemin) Tiraboschi, 1926; Synonymous: Sterigmatocystis versicolor Vuillemin, 1903. Index Fungorum website: Not Listed.

Parent Product

387 - Molds, Rusts and Smuts, Aspergillus versicolor

Published Data

17% of sera from Finns with farmer's lung disease (FLD) had positive antibodies to A. versicolor (PMID 421335). In addition, 62 out of 236 Indian patients with allergic respiratory disease had positive intradermal tests to A. versicolor (PMID 15597671).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
385_Ind J Chest Dis 42-249.pdf	15597671	Aggarwal, S.	2000

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 388 - Molds, Rusts and Smuts, Aureobasidium pullulans

Recommended Scientific Name Aureobasidium pullulans

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Aureobasidium pullulans; Aureobasidium pullulans allergy; Aureobasidium pullulans asthma; Aureobasidium pullulans allergen; A. oleae; A. vitis; Azymocandida malicola; Candida malicola; Cladosporium pullulans; Dematium pullulans; Exobasidium vitis; Hormiscium oleae; Hormonema pullulans; Pullularia fermentans; Pullularia pullulans; Pullularia pullulans allergy; Pullularia pullulans asthma; Pullularia pullulans allergen; Pullularia pullulans antigen; Torula oleae; Torula schoenii
Google: Aureobasidium pullulans allergy; Aureobasidium pullulans allergy adverse; Aureobasidium pullulans allergen; Aureobasidium pullulans allergen adverse

Nomenclature

ATCC website: Aureobasidium pullulans (de Bary) Arnaud, anamorph deposited as Hormiscium gelatinosum Hedgcock, anamorph. Stedmans Book (ATCC Fungus Names, 1993): Aureobasidium pullulans (de Bary) Arnaud, 1910 Index Fungorum website: Aureobasidium pullulans (de Bary) G. Arnaud, Annals d'École National d'Agric. de Montpellier, N.S. 16: 39 (1918).

Parent Product

388 - Molds, Rusts and Smuts, Aureobasidium pullulans

Published Data

Several papers related only to hypersensitivity pneumonitis and were not downloaded. Panel I performed a specific review of Pullularia pullulans on pg 3204, citing Ripe, Acta Allergologica, 21:370-413, 1966, describing nasal and bronchial provocation correlations with skin tests. A paper (PMID 16276113) used skin testing and IgE reactivity for diagnosis in allergy and asthma patients (94 series; 17% positive).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
388_ IAAI 139-45.pdf	16276113	Taylor, P.E.	2006

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 389 - Molds, Rusts and Smuts, Barley Smut, Covered Ustilago nigra

Recommended Common Name False Loose

Recommended Scientific Name Ustilago avenae

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Ustilago nigra; U. avenae; U. aegilopsidis; Barley smut allergy; Ustilago allergy

Google: Ustilago nigra allergy; Ustilago nigra allergy adverse; Ustilago nigra allergen; Ustilago nigra allergen adverse

Nomenclature

ATCC website: Ustilago avenae. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago avenae; Syn: Ustilago nigra.

Parent Product

473 - Molds, Rusts and Smuts, Oat Smut Ustilago avenae

Related Products

389 - Molds, Rusts and Smuts, Barley Smut, Covered Ustilago nigra

Published Data

No papers were found referencing U. nigra or its synonyms. The only Ustilago reports are about U. maydis (corn smut) (PMID 1239229, 4037433, 2256573). Ustilago was tested (but species not identified) in Greek patients in 231 (PMID. 15552717); the number that reacted was not specified, probably few to none. U. nigra (as U. avenae) is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. avenae is cited. In (PMID 4655464), U. avenae is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 390 - Molds, Rusts and Smuts, Barley Smut, Loose Ustilago nuda

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ustilago nuda; ustilago allergy
Google: ustilago nuda allergy; ustilago nuda allergy adverse; ustilago nuda allergen; ustilago nuda allergen adverse

Nomenclature

ATCC website: Ustilago nuda; Syn: Arthrimum sp. deposited as Ustilago nuda. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago nuda.Syn: Ustilago segetum, Ustilago tritici

Parent Product

390 - Molds, Rusts and Smuts, Barley Smut, Loose Ustilago nuda

Related Products

517 - Molds, Rusts and Smuts, Sorghum Smut Ustilago nuda
542 - Molds, Rusts and Smuts, Wheat Smut, Loose Ustilago tritici

Published Data

No papers were found referencing U. nuda. The only Ustilago reports were about U. maydis (corn smut, PMID 1239229, 4037433, 2256573.) Ustilago was tested (but species not identified) in Greek patients in 231 (PMID. 15552717); the number that reacted was not specified, probably few to none. U. nuda is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. avenae is cited. In (PMID 4655464), U. avenae is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 391 - Molds, Rusts and Smuts, Barley Smut, Ustilago hoideu

Recommended Common Name Barley Smut, Covered

Recommended Scientific Name Ustilago hordei

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: U. hordei; ustilago allergy; U. kolleri; U. segetum

Google: ustilago hordei allergy; ustilago hordei allergy adverse; ustilago hordei allergen; ustilago hordei allergen adverse

Nomenclature

ATCC website: Ustilago hordei. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago hordei.

Parent Product

391 - Molds, Rusts and Smuts, Barley Smut, Ustilago hoideu

Published Data

No published data were identified on U. hordei or its synonyms. The only Ustilago reports are about U maydis (corn smut, PMID 1239229, 4037433). Ustilago was tested (but species not identified) in Greek patients in 231 (PMID 15552717); the number that reacted was not specified, probably few to none. U. hordei (misspelled as U. bordei) is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. hordei is cited. In (PMID 4655464), U. hordei is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 392 - Molds, Rusts and Smuts, Bermuda Grass Smut Ustilago cynodontis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ustilago cynodontis; ustilago allergy
Google: Ustilago cynodontis allergy; Ustilago cynodontis allergy adverse; Ustilago cynodontis allergen; Ustilago cynodontis allergen adverse

Nomenclature

ATCC website: Ustilago cynodontis. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago cynodontis.

Parent Product

392 - Molds, Rusts and Smuts, Bermuda Grass Smut Ustilago cynodontis

Published Data

No supportive data were identified on U. cynodonyis. The only Ustilago reports are about U. maydis (corn smut, PMID 1239229). Ustilago was tested (but species not identified) in Greek patients in 231 (PMID 15552717); the number that reacted was not specified, probably few to none.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
389_Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 393 - Molds, Rusts and Smuts, Bipolaris sorokiniana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: bipolaris allergy; cochliobolus sativus; cochliobolus allergy asthma

Google: bipolaris sorokiniana allergy; bipolaris sorokiniana allergy adverse; bipolaris sorokiniana allergen; bipolaris sorokiniana allergen adverse

Nomenclature

ATCC website: Bipolaris sorokiniana. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Cochliobolus sativus; Syn: Bipolaris californica, Bipolaris sorokiniana, Drechslera sorokiniana, Helminthosporium acrothecioides, Helminthosporium californicum, Helminthosporium sativum, Helminthosporium sorokinianum, Ophiobolus sativus.

Parent Product

393 - Molds, Rusts and Smuts, Bipolaris sorokiniana

Related Products

443 - Molds, Rusts and Smuts, Helminthosporium sativum

Published Data

No supportive papers were identified for Bipolaris sorokiniana. However, two papers used its synonym Helminthosporium sativum. PMID 2256573, 34% of asthma patients and 54% of rhinitis patients tested positive by skin tests to H. sativum. PMID 15577839, 34 patients with allergic fungal rhinosinusitis (AFS) and 38 patients with hypertrophic sinus disease (HSD) were skin test positive for H. sativum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
393_JACI 114-1376.pdf	15577839	Schubert, M.S.	2004
379_Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 394 - Molds, Rusts and Smuts, Bipolaris spp

Recommended Scientific Name Bipolaris, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Bipolaris allergy

Google: Bipolaris allergy; Bipolaris allergy adverse; Bipolaris allergen; Bipolaris allergen adverse

Nomenclature

Synonymy: not relevant (only genus)

Parent Product

394 - Molds, Rusts and Smuts, Bipolaris spp

Published Data

Allergic fungal sinusitis is associated with Bipolaris/Culvilaria spicifera (PMID 9768578, 15577839). This extract is identified under genus only and no supportive data were identified

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
393_JACI 102-387.pdf	9768578	Schubert, M.S.	1998
393_JACI 114-1376.pdf	15577839	Schubert, M.S.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 395 - Molds, Rusts and Smuts, Botrytis cinerea

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Botrytis cinerea; Botrytis cinerea allergy; Botryotinia fuckeliana
Google: Botrytis cinerea allergy; Botrytis cinerea allergy adverse; Botrytis cinerea allergen; Botrytis cinerea allergen adverse

Nomenclature

ATCC website: Botrytis cinerea; Syn:Botryotinia fuckeliana, Botrytis paeoniae. Stedmans Book (ATCC Fungus Names, 1993):
Not Listed. Index Fungorum website: Botrytis cinerea.

Parent Product

395 - Molds, Rusts and Smuts, Botrytis cinerea

Published Data

Panel I discussion (pg 3204) cites Ripe as studying 43 patients with skin tests, and nasal and bronchial provocations. PMID 2256573 reported on 45/100 of the asthma and rhinitis patients had positive skin test results to Botrytis cinerea extract. There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 396 - Molds, Rusts and Smuts, Brome Grass, Cheat Ustilago bullata

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Ustilago bullata; U. bromivora; U. carbo; U. patagonica; Citractica patagonica; Tolyoderma bullata
Google: Ustilago bullata allergy; Ustilago bullata allergy adverse; Ustilago bullata allergen; Ustilago bullata allergen adverse

Nomenclature

ATCC website: Ustilago bullata. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago bullata; Syn: Cintractia patagonica, Ustilago bromivora, Ustilago carbo d bromivora, Ustilago patagonica.

Parent Product

396 - Molds, Rusts and Smuts, Brome Grass, Cheat Ustilago bullata

Published Data

No supportive data were identified on U. bullata or its synonyms. The only Ustilago reports are about U maydis (corn smut, PMID 1239229, 4037433). Ustilago was tested (but species not identified) in Greek patients in 231 (PMID 15552717); the number that reacted was not specified, probably few to none.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 397 - Molds, Rusts and Smuts, Candida (Monila) tropicalis

Recommended Scientific Name Candida tropicalis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: "candida tropicalis"; "candida tropicalis" allergy; "candida tropicalis" allergen; "candida tropicalis" asthma; "candida tropicalis" rhinitis or sinusitis; Atelosaccharomyces tropicalis; Castellania tropicalis; Monilia tropicalis; Myceloblastanon tropicale; Mycotorula tropicalis; Oidium tropicale; Procandida tropicalis

Google: candida tropicalis allergy; candida tropicalis allergy adverse; candida tropicalis allergen; candida tropicalis allergen adverse

Nomenclature

ATCC website: Candida tropicalis. Stedmans Book (ATCC Fungus Names, 1993): Candida tropicalis; Syn: Atelosaccharomyces tropicalis, Candida albicans var. tropicalis, Castellania tropicalis, Monilia tropicalis, Myceloblastanon tropicale; Mycotorula tropicalis, Oidium tropicale, Procandida tropicalis. Index Fungorum website: Candida tropicalis.

Parent Product

397 - Molds, Rusts and Smuts, Candida (Monila) tropicalis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 398 - Molds, Rusts and Smuts, Candida albicans

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Candida albicans allergy; Candida albicans asthma; Candida albicans asthma allergy; Candida albicans rhinitis; Candida albicans allergen extract

Google: Candida albicans allergy; Candida albicans allergy adverse; Candida albicans allergen; Candida albicans allergen adverse

Nomenclature

ATCC website: Candida albicans; Syn: severla including monilia albicans, Stedmans Book (ATCC Fungus Names, 1993): Candida albicans. Index Fungorum website: Candida albicans.

Parent Product

398 - Molds, Rusts and Smuts, Candida albicans

Published Data

Panel I discussion (pg 3204) cites Itkin and Dennis (retrieved as PMID 5218242) as studying 42 patients with skin tests and bronchial provocations.

Supportive data includes: Selected asthma/allergy patients were positive by skin test (PMID 2256573, 9636810); also HIV-positive patients (PMID 10480590); Candida can be associated with allergic bronchopulmonary aspergillosis (ABPA)-like syndrome (PMID 118528); mannans contribute to skin prick test reactivity, but are not the only determinant (PMID 15647047); effective by immunotherapy for vulvovaginitis (PMID 2178425); (NOTE: no paper on immunotherapy for asthma or allergic rhinitis); allergens may not be stable (PMID 1281751); antigen variability with different strains and growth conditions, identified by IgE and IgG immunoblots (PMID 2680993).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
375_ Scand J Resp Dis 60-235.pdf	118528	Sandhu, R.S.	1979
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
398_ Allergy 60-238.pdf	15647047	Kosonen, J.	2005
398_ Am J Obstet Gyn 162-333.pdf	2178425	Rigg, D.	1990
398_ Ann Allergy 83-153.pdf	10480590	Nissen, D.	1999
398_ Clin Exp Allergy 22-991.pdf	1281751	Savolainen, J.	1992
398_ IAAAI 90-61.pdf	2680993	Savonainen, J.	1989
398_ J Allergy 37-187.pdf	5218242	Itkin, I.H.	1966
511_ Allergy 53-506.pdf	9636810	Savolainen, J.	1998

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 399 - Molds, Rusts and Smuts, Cane Smut, Sphacelotheca sorghi

Recommended Scientific Name Sporisorium sorghi

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Sphacelotheca sorghi: not found

Google: Sphacelotheca sorghi allergy; Sphacelotheca sorghi allergy adverse; Sphacelotheca sorghi allergen; Sphacelotheca sorghi allergen adverse

Nomenclature

ATCC website: Not Listed. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Sphacelotheca sorghi Syn: Sporisorium sorghi; Ustilago sorghi; Tilletia sorghi-vulgaris; Cintractia sorghi-vulgaris;

Parent Product

399 - Molds, Rusts and Smuts, Cane Smut, Sphacelotheca sorghi

Published Data

Panel I (pgs 3205-6) identifies S. sorghi as sorghum smut. S. sorghi is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 400 - Molds, Rusts and Smuts, Cephalosporium acremonium

Recommended Scientific Name Acremonium strictum

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: acremonium strictum; acremonium strictum allergy (or allergen); "cephalosporium acremonium"; "cephalosporium acremonium" allergy (or hypersensitivity); "cephalosporium acremonium", allergen, antigen, immunotherapy
Google: cephalosporium acremonium allergy; cephalosporium acremonium allergy adverse; cephalosporium acremonium allergen; cephalosporium acremonium allergen adverse

Nomenclature

ATCC website: Acremonium strictum; Syn: Monocillium sp. Stedmans Book (ATCC Fungus Names, 1993): Acremonium strictum. Index Fungorum website: Acremonium strictum.

Parent Product

400 - Molds, Rusts and Smuts, Cephalosporium acremonium

Published Data

In PMID 2256573, 45% of asthma/rhinitis patients reacted to C. acremonium. PMID 7874942, positive precipitating antibodies to Cephalosporium acremonium were identified in five out of five ultrasonic humidifier lungs compared to zero out of eighteen normal subjects. There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
368_ Chest 107-711.pdf	7874942	Suda, T.	1995
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 401 - Molds, Rusts and Smuts, Cephalosporium spp.

Recommended Scientific Name Cephalosporium, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cephalosporium allergy
Google: cephalosporium allergy; cephalosporium allergy adverse; and allergen; cephalosporium allergen adverse

Nomenclature

Synonymy: none

Parent Product

401 - Molds, Rusts and Smuts, Cephalosporium spp.

Published Data

PMID 7874942 states that Cephalosporium species are associated with hypersensitivity pneumonitis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
368_Chest 107-711.pdf	7874942	Suda, T.	1995

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 402 - Molds, Rusts and Smuts, Cephalothecium (Trichothecium)

Recommended Scientific Name (genus and species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: cephalothecium; trichothecium

Google: cephalothecium allergy; cephalothecium allergy adverse; cephalothecium allergen; cephalothecium allergen adverse

Nomenclature

Cephalothecium and Tricholthecium refer to genera.

Parent Product

402 - Molds, Rusts and Smuts, Cephalothecium (Trichothecium)

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	none
<u>Therapy:</u>	Category IIIA	none

Product: 403 - Molds, Rusts and Smuts, Cephalothecium roseum

Recommended Scientific Name Trichotheций roseum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cephalothecium; trichotheций

Google: cephalothecium roseum allergy; cephalothecium roseum allergy adverse; cephalothecium roseum allergen; cephalothecium roseum allergen adverse

Nomenclature

ATCC website: Trichotheций roseum. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Cephalothecium roseum.

Parent Product

403 - Molds, Rusts and Smuts, Cephalothecium roseum

Published Data

Panel I discussion (pg 3204) cites Pennington (Refs. 14 and 15) as studying three patients with skin tests and nasal provocations (2 had positive provocations), as well as a survey of 160 patients with asthma or hay fever, of whom 47 had positive skin tests.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 404 - Molds, Rusts and Smuts, Chaetomium globosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: chaetomium allergy; chaetomium asthma
Google: chaetomium globosum allergy; chaetomium globosum allergy adverse; chaetomium globosum allergen; chaetomium globosum allergen adverse

Nomenclature

ATCC website: Chaetomium globosum. Stedmans Book (ATCC Fungus Names, 1993): Chaetomium globosum; Syn: Chaetomium genus: chartarum, chlorinum, fieberi, kunzeanum, olivaceum, rectum, subglobosum. Index Fungorum website: Chaetomium globosum.

Parent Product

406 - Molds, Rusts and Smuts, Chaetomium olivaceum

Related Products

404 - Molds, Rusts and Smuts, Chaetomium globosum

Published Data

A single report where 25% of consecutive adult asthma patients were skin test positive (PMID 1586003).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 405 - Molds, Rusts and Smuts, Chaetomium indicum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: chaetomium allergy; chaetomium asthma

Google: chaetomium indicum allergy; chaetomium indicum allergy adverse; chaetomium indicum allergen; chaetomium indicum allergen adverse

Nomenclature

ATCC website: Chaetomium indicum. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Chaetomium indicum.

Parent Product

405 - Molds, Rusts and Smuts, Chaetomium indicum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 406 - Molds, Rusts and Smuts, Chaetomium olivaceum

Recommended Scientific Name Chaetomium globosum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: chaetomium allergy; chaetomium asthma

Google: chaetomium olivaceum allergy; chaetomium olivaceum allergy adverse; chaetomium olivaceum allergen; chaetomium olivaceum allergen adverse

Nomenclature

ATCC website: Chaetomium globosum. Stedmans Book (ATCC Fungus Names, 1993): Chaetomium globosum; Syn: Chaetomium genus: chartarum, chlorinum, fieberi, kunzeanum, olivaceum, rectum, subglobosum. Index Fungorum website: Chaetomium globosum.

Parent Product

406 - Molds, Rusts and Smuts, Chaetomium olivaceum

Related Products

404 - Molds, Rusts and Smuts, Chaetomium globosum

Published Data

A single report where 25% of consecutive adult asthma patients were skin test positive (PMID 1586003).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 407 - Molds, Rusts and Smuts, Chaetomium sp.

Recommended Scientific Name Chaetomium, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: chaetomium allergy; chaetomium asthma

Google: chaetomium allergy; chaetomium allergy adverse; chaetomium allergen; chaetomium allergen adverse

Nomenclature

Synonymy: none.

Parent Product

407 - Molds, Rusts and Smuts, Chaetomium sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 408 - Molds, Rusts and Smuts, Chrysosporium pruinorum

Recommended Scientific Name Sporotrichum pruinorum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Chrysosporium pruinorum; Sporotrichum pruinorum

Google: Chrysosporium pruinorum allergy; Chrysosporium pruinorum allergy adverse; Chrysosporium pruinorum allergen; Chrysosporium pruinorum allergen adverse

Nomenclature

ATCC website: Sporotrichum pruinorum. Stedmans Book (ATCC Fungus Names, 1993): Sporotrichum pruinorum; Syn: Chrysosporium pruinorum, Phanerochaete chrysosporium, Emmonsia brasiliensis, Emmonsia ciferrina, Sporotrichum dehradumense, Sporotrichum pulverulentum. Index Fungorum website: Chrysosporium pruinorum; Syn: Phanerodontia chrysosporium, Grandiniella chrysosporium, Sporotrichum pruinorum.

Parent Product

408 - Molds, Rusts and Smuts, Chrysosporium pruinorum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 409 - Molds, Rusts and Smuts, Cladosporium cladosporioides

Recommended Scientific Name Cladosporium cladosporioides

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Cladosporium cladosporioides; Cladosporium cladosporioides allergy; Cladosporium cladosporioides asthma; Cladosporium cladosporioides sinusitis; Cladosporium cladosporioides rhinitis

Google: Cladosporium cladosporioides allergy; Cladosporium cladosporioides allergy adverse; Cladosporium cladosporioides allergen; Cladosporium cladosporioides allergen adverse

Nomenclature

ATCC website: Cladosporium cladosporioides. Stedmans Book (ATCC Fungus Names, 1993): Cladosporium cladosporioides; Syn: Cladosporium hypophyllum, Hormodendrum cladosporioides, Penicillium cladosporioides. Index Fungorum website: Cladosporium cladosporioides; Syn: Hormodendrum cladosporioides, Monilia humicola Oudem, Penicillium cladosporioides Fresen.

Parent Product

409 - Molds, Rusts and Smuts, Cladosporium cladosporioides

Published Data

Skin test studies only (PMID 10843433, 2256573, 3349592, 12269655). There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 410 - Molds, Rusts and Smuts, Cladosporium fulvum

Recommended Scientific Name Fulvia fulva

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Cladosporium fulvum; Cladosporium fulvum allergy; Cladosporium fulvum asthma Fulvia fulva; Mycovelosiella fulva; Cladosporium fulvum sinusitis; Cladosporium fulvum rhinitis

Google: Cladosporium fulvum allergy; Cladosporium fulvum allergy adverse; Cladosporium fulvum allergen; Cladosporium fulvum allergen adverse

Nomenclature

ATCC website: Fulvia fulva. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Passalora fulva Synonyms: Cladosporium fulvum, Fulvia fulva, Mycovelosiella fulva.

Parent Product

427 - Molds, Rusts and Smuts, Fulvia fulva

Related Products

410 - Molds, Rusts and Smuts, Cladosporium fulvum

Published Data

One paper (PMID 13258072) with two case reports using passive transfer by the Prausnitz-Küstner method to confirm allergy to Cladosporium fulvum. There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
410_Acta Allergologica 9-38.pdf	13258072	Samsøe-Jensen, T.	1955

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 411 - Molds, Rusts and Smuts, Cladosporium herbarum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Cladosporium herbarum; Cladosporium herbarum allergy; Davidiella tassiana

Google: Cladosporium herbarum allergy; Cladosporium herbarum allergy adverse; Cladosporium herbarum allergen; Cladosporium herbarum allergen adverse

Nomenclature

ATCC website: Cladosporium herbarum; Syn: Mycosphaerella tassiana, Cladosporium cladosporioides, Gonatobotrys simplex Corda. Stedmans Book (ATCC Fungus Names, 1993): Cladosporium herbarum; Syn: Mycosphaerella tassiana, Cladosporium epiphyllum, Cladosporium fagi, Cladosporium graminum, Dematium epiphyllum, Dematium herbarum, Sphaerella. Index Fungorum website: Cladosporium herbarum; Syn: Cladosporium herbarum, Byssus herbarum, Dematium herbarum, Dematium vulgare, Heterosporium epimyces.

Parent Product

411 - Molds, Rusts and Smuts, Cladosporium herbarum

Published Data

Skin test data found in PMID 12193354, 8842553, 15614195, 3993865, 9208052, 2438068, 3349592, 17298348; positive total IgE and specific IgE in sera data found in PMID 11678856; immunotherapy data found in PMID 12906784 (a review), 3518526, 3518527 (in vitro data), 3789332 (placebo controlled data); allergen identification was found in PMID 12102004, 7898496; severe reactions during immunotherapy was found in PMID 3544937; a product review was found in PMID 12906784. An evaluation of cross-reactivity between molds found in PMID 12100306, 12269649, 16466440.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ BMJ 325-411.pdf	12193354	Zureik, M.	2002
371_ CEA 26-794.pdf	8842553	Tariq, S.M.	1996
371_ Chem Immunol 81-48.pdf	12102004	Breitenbach, M.	2002
371_ Curr All Asthma Rep 3-347.pdf	12906784	Helbling, A.	2003
371_ Med Sci Monit 11-CR44.pdf	15614195	Modrzyński, M.	2005
371_ Mol Immunol 32-213.pdf	7898496	Achatz, G.	1995
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985
411_ Allergy 41-131.pdf	3518526	Dreborg, S.	1986
376_ Allergol et Immunopathol 25-153.pdf	9208052	Cruz, A.	1997
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
411_ Allergy 41-507.pdf	3789332	Malling, H.J.	1986
411_ Allergy 41-588.pdf	3544937	Ostergaard, P.A.	1986
411_ Curr Allergy Asthma Rep 3-447.pdf	12906784	Helbling, A.	2003
411_ Allergy 41-141.pdf	3518527	Karlsson, R.	1986
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002
421_ Ann Allergy 89-285.pdf	12269649	Bisht, V.	2002
433_ Clin Allergy 17-127.pdf	2438068	O'Neill, C.E.	1987
481_ Clin Exp Allergy 31-1564.pdf	11678856	Nolles, G.	2001
505_ Mycoses 49-91.pdf	16466440	Sáenz-de-Santamaría,	2006
1177_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 412 - Molds, Rusts and Smuts, Cladosporium sphaerospermum

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Cladosporium sphaerospermum

Google: Cladosporium sphaerospermum allergy; Cladosporium sphaerospermum allergy adverse; Cladosporium sphaerospermum allergen; Cladosporium sphaerospermum allergen adverse

Nomenclature

ATCC website: Cladosporium sphaerospermum. Stedmans Book (ATCC Fungus Names, 1993): Cladosporium sphaerospermum. Index Fungorum website: Cladosporium sphaerospermum.

Parent Product

412 - Molds, Rusts and Smuts, Cladosporium sphaerospermum

Published Data

Single report only (PMID 3349592). A positive prick skin test performed in Toronto, Canada had 50% of 26 individuals screened using C. sphaerospermum (prepared from home isolates).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 413 - Molds, Rusts and Smuts, Cladosporium werneckii

Recommended Scientific Name Hortaea werneckii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Cladosporium werneckii; Cladosporium werneckii allergy OR asthma OR rhinitis; Cladosporium werneckii sinusitis
Google: Cladosporium werneckii allergy; Cladosporium werneckii allergy adverse; Cladosporium werneckii allergen;
Cladosporium werneckii allergen adverse

Nomenclature

ATCC website: Hortaea werneckii. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Hortaea werneckii; Syn: Cladosporium werneckii Horta, Dematium werneckii, Exophiala werneckii, Phaeoannellomyces werneckii, Pullularia werneckii.

Parent Product

413 - Molds, Rusts and Smuts, Cladosporium werneckii

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 414 - Molds, Rusts and Smuts, Colletotrichum atramentarium

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Colletotrichum atramentarium; Colletotrichum coccodes; Colletotrichum allergy; Colletotrichum allergen; Colletotrichum asthma; Colletotrichum rhinitis

Google: Colletotrichum atramentarium allergy; Colletotrichum atramentarium allergy adverse; Colletotrichum atramentarium allergen; Colletotrichum atramentarium allergen adverse

Nomenclature

ATCC website: Colletotrichum atramentarium. Stedmans Book (ATCC Fungus Names, 1993): Colletotrichum atramentarium; Syn: Colletotrichum solaniculum, Colletotrichum tabificum, Colletotrichum biologicum, Rhizooctonia tabifica, Vermicularia eupyrena. Index Fungorum website: Colletotrichum coccodes; Syn: Colletotrichum atramentarium.

Parent Product

414 - Molds, Rusts and Smuts, Colletotrichum atramentarium

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 415 - Molds, Rusts and Smuts, Corn Smut Ustilago maydis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ustilago maydis allergy OR allergen OR asthma OR rhinitis; U. zeae
Google: Ustilago maydis allergy; Ustilago maydis allergy adverse; Ustilago maydis allergen; Ustilago maydis allergen adverse

Nomenclature

ATCC website: Ustilago maydis (DeCandolle) Corda, teleomorph. Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Ustilago maydis (DC.) Corda, Icon. fung. (Prague) 5: 3 (1842); Syn: Caeoma zeae, Erysibe maydis, Lycoperdon zeae, Uredo maydis, Uredo segetum, Ustilago euchlaenae, Ustilago mays-zeae, Ustilago zeae.

Parent Product

415 - Molds, Rusts and Smuts, Corn Smut Ustilago maydis

Published Data

Ustilago was tested (but species was not identified) in Greek patients in PMID 15552717; the number of patients that reacted was not specified, probably few to none. PMID 1239229 and 4037433 are specific to U. maydis, positive skin test in allergy patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 416 - Molds, Rusts and Smuts, Curvularia inaequalis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Curvularia inaequalis

Google: Curvularia inaequalis allergy; Curvularia inaequalis allergy adverse; Curvularia inaequalis allergen; Curvularia inaequalis allergen adverse

Nomenclature

ATCC website: Curvularia inaequalis (Shear) Boedijn, deposited as Helminthosporium inaequale; Syn: Acrothecium arenarium.

Stedmans Book (ATCC Fungus Names, 1993): Curvularia inaequalis; Syn: Acrothecium arenarium, Helminthosporium inaequale. Index Fungorum website: Curvularia inaequalis; Syn: Acrothecium arenarium, Helminthosporium inaequale.

Parent Product

416 - Molds, Rusts and Smuts, Curvularia inaequalis

Published Data

In PMID 2256573, 45% of 100 asthma/rhinitis patients studied over 5 years had positive reaction to C. inaequalis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 417 - Molds, Rusts and Smuts, Curvularia lunata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: curvularia lunata allergy; curvularia lunata allergen; curvularia lunata rhinitis; Cochliobolus lunatus

Google: curvularia lunata allergy; curvularia lunata allergy adverse; curvularia lunata allergen; curvularia lunata allergen adverse

Nomenclature

ATCC website: Curvularia lunata; Syn: Pseudocochliobolus lunatus. Stedmans Book (ATCC Fungus Names, 1993): Curvularia lunata. Index Fungorum website: Cochliobolus lunatus; Syn: Curvularia lunata, Acrothecium lunatum, Curvularia lunata var. aerea, Pseudocochliobolus lunatus.

Parent Product

417 - Molds, Rusts and Smuts, Curvularia lunata

Published Data

Extensive cross-reactivity among C. lunata, A. alternata, E. nigrum (PMID 12100306), among C. lunata, C. clavata, C. geniculata, C. pallescens, C. senegalensis (PMID 11893852), and among A. alternata, C. lunata, C. herbarum, and P. citrinum (PMID 12269649); serine protease is the major allergen of C. lunata (PMID 15005766, 16466440); case report of allergic bronchopulmonary curvulariosis, with positive prick skin test (PMID 4040344); PMID 3623555 presents two case reports of allergic fungal sinusitis, but does not include skin tests data.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002
417_ Allergy 59-421.pdf	15005766	Gupta, R.	2004
417_ ARRD 132-186.pdf	4040344	Halwig, J.M.	1985
417_ Human Pathol 18-960.pdf	3623555	MacMillan, R.H. 3rd.	1987
417_ IAAI 127-38.pdf	11893852	Gupta, R.	2002
421_ Ann Allergy 89-285.pdf	12269649	Bisht, V.	2002
505_ Mycoses 49-91.pdf	16466440	Sáenz-de-Santamaría,	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 418 - Molds, Rusts and Smuts, Curvularia spicifera

Recommended Scientific Name Drechslera spicifera

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "Curvularia spicifera"; Cochliobolus spicifer; "Bipolaris spicifera"
Google: Curvularia spicifera allergy; Curvularia spicifera allergy adverse; Curvularia spicifera allergen; Curvularia spicifera allergen adverse

Nomenclature

ATCC website: Drechslera spicifera, anamorph deposited as Helminthosporium spiciferum; Syn: Cochliobolus spicifer.
Stedmans Book (ATCC Fungus Names, 1993): Cochliobolus spicifer; Syn: Bipolaris spicifera. Index Fungorum website: Cochliobolus spicifer; Syn: Curvularia spicifera, Bipolaris spicifera, Bipolaris, Brachycladium spiciferum, Brachysporium spiciferum, Curvularia tetramera, Dendryphion spiciferum, Drechslera spicifera, Drechslera tetramera, Helminthosporium spiciferum, Helminthosporium tetramera, Pseudocochliobolus spicifer.

Parent Product

420 - Molds, Rusts and Smuts, Drechslera spicifera

Related Products

418 - Molds, Rusts and Smuts, Curvularia spicifera

Published Data

PMID 15577839, 97 patients with allergic fungal rhinosinusitis (AFS) and 70 patients with hypertrophic sinus disease (HSD) were skin test positive using Bipolaris spicifera from Greer Labs.
PMID 9768578 and 11892045, B. spicifera extract used for skin testing.
PMID 2312993, doctors were able to culture B. spicifera from three patients. Skin test by prick methods was positive in three out of three patients using extracts of B. spicifera. IgE and IgG ELISA against B. spicifera were also evaluated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
393_JACI 114-1376.pdf	15577839	Schubert, M.S.	2004
393_JACI 102-387.pdf	9768578	Schubert, M.S.	1998
418_Curr Allergy Asthma Rep 1-268.pdf	11892045	Schubert, M.S.	2001
418_JACI 85-583.pdf	2312993	Gourley, D.S.	1990

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 419 - Molds, Rusts and Smuts, Drechslera sorokiniana

Recommended Scientific Name Bipolaris sorokiniana

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Drechslera sorokiniana; "Cochliobolus sativus"; "Helminthosporium sativum"

Google: Drechslera sorokiniana allergy; Drechslera sorokiniana allergy adverse; Drechslera sorokiniana allergen; Drechslera sorokiniana allergen adverse

Nomenclature

ATCC website: Bipolaris sorokiniana, anamorph deposited as Drechslera sorokiniana; Syn: Drechslera teres. Stedmans Book (ATCC Fungus Names, 1993): Bipolaris sorokiniana; Syn: Cochliobolus sativus, Drechslera sorokiniana, Helminthosporium acrothecioides, Helminthosporium californicum, Helminthosporium sativum, Helminthosporium sorokinianum, Ophiobolus sativus. Index Fungorum website: Cochliobolus sativus; Syn: Bipolaris californica, Bipolaris sorokiniana, Drechslera sorokiniana, Helminthosporium acrothecioides, Helminthosporium californicum, Helminthosporium sativum, Helminthosporium sorokinianum, Ophiobolus sativus.

Parent Product

419 - Molds, Rusts and Smuts, Drechslera sorokiniana

Published Data

Positive skin tests in patients with asthma and rhinitis (PMID 2256573) and in patients with allergic fungal sinusitis (PMID 15577839).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
393_ JACI 114-1376.pdf	15577839	Schubert, M.S.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 420 - Molds, Rusts and Smuts, Drechslera spicifera

Recommended Scientific Name Cochliobolus spicifer

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: "Curvularia spicifera"; Cochliobolus spicifer; "Bipolaris spicifera"

Google: Curvularia spicifera allergy; Curvularia spicifera allergy adverse; Curvularia spicifera allergen; Curvularia spicifera allergen adverse

Nomenclature

ATCC website: Drechslera spicifera, anamorph deposited as Helminthosporium spiciferum; Syn: Cochliobolus spicifer. Stedmans Book (ATCC Fungus Names, 1993): Cochliobolus spicifer; Syn: Bipolaris spicifera. Index Fungorum website: Cochliobolus spicifer; Syn: Curvularia spicifera, Bipolaris spicifera, Bipolaris, Brachycladium spiciferum, Brachysporium spiciferum, Curvularia tetramera, Dendryphion spiciferum, Drechslera spicifera, Drechslera tetramera, Helminthosporium spiciferum, Helminthosporium tetramera, Pseudocochliobolus spicifer.

Parent Product

420 - Molds, Rusts and Smuts, Drechslera spicifera

Related Products

418 - Molds, Rusts and Smuts, Curvularia spicifera

Published Data

PMID 15577839, 97 patients with allergic fungal rhinosinusitis (AFS) and 70 patients with hypertrophic sinus disease (HSD) were skin test positive using B. spicifera from Greer Labs.

PMID 9768578 and 11892045, B. spicifera extract used for skin testing.

PMID 2312993, doctors were able to culture B. spicifera from three patients. Skin test by prick methods was positive in three out of three patients using extracts of B. spicifera. IgE and IgG ELISA against B. spicifera were also evaluated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
418_Curr Allergy Asthma Rep 1-268.pdf	11892045	Schubert, M.S.	2001
418_JACI 85-583.pdf	2312993	Gourley, D.S.	1990
393_JACI 114-1376.pdf	15577839	Schubert, M.S.	2004
393_JACI 102-387.pdf	9768578	Schubert, M.S.	1998

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 421 - Molds, Rusts and Smuts, Epicoccum nigrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Epicoccum purpurascens; Epicoccum nigrum
Google: Epicoccum nigrum allergy; Epicoccum nigrum allergy adverse; Epicoccum nigrum allergen; Epicoccum nigrum allergen adverse

Nomenclature

ATCC website: Epicoccum nigrum. Stedmans Book (ATCC Fungus Names, 1993): Epicoccum nigrum; Syn: many Eppicoccum var. Index Fungorum website: Epicoccum nigrum; Syn: Epicoccum diversisporum, Epicoccum purpurascens, Epicoccum purpurascens, Epicoccum versicolor, Epicoccum versicolor, Epicoccum vulgare, Toruloidea tobaica.

Parent Product

421 - Molds, Rusts and Smuts, Epicoccum nigrum

Published Data

Positive skin test in 20% of hospital and intensive care unit patients (PMID 10843433); 48-52% of allergic rhinitis/asthma (PMID 2256573); 36% of allergy patients in Toronto, Canada (PMID 3349592); cross-reactive with C. lunata (PMID 12100306), A. alternata, C. herbarum, P. citrinum (PMID 12269649); Epi p 1 identified as major allergen (PMID 15364105).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002
421_ Ann Allergy 89-285.pdf	12269649	Bisht, V.	2002
421_ FEMS 42-205.pdf	15364105	Bisht, V.	2004
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 422 - Molds, Rusts and Smuts, Epicoccum purpurascens

Recommended Scientific Name Epicoccum nigrum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Epicoccum purpurascens; Epicoccum nigrum

Google: Epicoccum purpurascens allergy; Epicoccum purpurascens allergy adverse; Epicoccum purpurascens allergen; Epicoccum purpurascens allergen adverse

Nomenclature

ATCC website: Epicoccum nigrum. Stedmans Book (ATCC Fungus Names, 1993): Epicoccum nigrum; Syn: many Eppicoccum var. Index Fungorum website: Epicoccum nigrum; Syn: Epicoccum diversisporum, Epicoccum purpurascens, Epicoccum purpurascens, Epicoccum versicolor, Epicoccum versicolor, Epicoccum vulgare, Toruloidea tobaica.

Parent Product

422 - Molds, Rusts and Smuts, Epicoccum purpurascens

Published Data

Positive skin test in 20% of hospital and intensive care unit patients (PMID 10843433); 48-52% of allergic rhinitis/asthma (PMID 2256573); 36% of allergy patients in Toronto, Canada (PMID 3349592); cross-reactive with C. lunata (PMID 12100306), A. alternata, C. herbarum, P. citrinum (PMID 12269649); Epi p 1 identified as major allergen (PMID 15364105).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
421_ FEMS 42-205.pdf	15364105	Bisht, V.	2004
421_ Ann Allergy 89-285.pdf	12269649	Bisht, V.	2002
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 423 - Molds, Rusts and Smuts, Epicoccum sp.

Recommended Scientific Name Epicoccum nigrum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and Google: No search performed since species was not defined

Nomenclature

ATCC website: Epicoccum nigrum. Stedmans Book (ATCC Fungus Names, 1993): Epicoccum nigrum; Syn: many Epicoccum var. Index Fungorum website: Epicoccum nigrum; Syn: Epicoccum diversisporum, Epicoccum purpurascens, Epicoccum purpurascens, Epicoccum versicolor, Epicoccum versicolor, Epicoccum vulgare, Toruloidea tobaica.

Parent Product

423 - Molds, Rusts and Smuts, Epicoccum sp.

Published Data

Positive skin test in 20% of hospital and intensive care unit patients (PMID 10843433); 48-52% of allergic rhinitis/asthma (PMID 2256573); 36% of allergy patients in Toronto, Canada (PMID 3349592); cross-reactive with C. lunata (PMID 12100306), A. alternata, C. herbarum, P. citrinum (PMID 12269649); Epi p 1 identified as major allergen (PMID 15364105).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
421_ FEMS 42-205.pdf	15364105	Bisht, V.	2004
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002
421_ Ann Allergy 89-285.pdf	12269649	Bisht, V.	2002

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 424 - Molds, Rusts and Smuts, Epidermophyton floccosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "Epidermophyton floccosum"; "Epidermophyton floccosum" allergy; "Epidermophyton floccosum" asthma OR rhinitis OR sinusitis; synonyms
Google: Epidermophyton floccosum allergy; Epidermophyton floccosum allergy adverse; Epidermophyton floccosum allergen; Epidermophyton floccosum allergen adverse

Nomenclature

ATCC website: Epidermophyton floccosum (Harz) Langeron et Milochevitch; Syn: Trichophyton violaceum. Stedmans Book (ATCC Fungus Names, 1993): Epidermophyton floccosum (Harz) Langeron et Milochevitch, 1930; Syn: Acrothecium floccosum, Blastotrichum floccosum, Epidermophyton sp., Trichophyton sp. Index Fungorum website: Epidermophyton floccosum (Harz) Langeron & Miloch., Annls Parasit. hum. comp. 8: 495 (1930) var. floccosum; Syn: Acrothecium floccosum, Blastotrichum floccosum, Dactylium floccosum.

Parent Product

425 - Molds, Rusts and Smuts, Epidermophyton inguinale

Related Products

424 - Molds, Rusts and Smuts, Epidermophyton floccosum

Published Data

One report on immediate and delayed skin test reactions in infected patients (PMID 76393), not apparently associated with allergic disease; a single case report of urticaria resolved after treatment of E. floccosum (PMID 12464169), no skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
424_Allergol Immunopathol 30-344.pdf	12464169	Méndez, J.	2002
424_Acta Dermatovener 58-139.pdf	76393	Kaaman, T.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 425 - Molds, Rusts and Smuts, Epidermophyton inguinale

Recommended Scientific Name Epidermophyton floccosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: "Epidermophyton inguinale"; synonyms

Google: Epidermophyton inguinale allergy; Epidermophyton inguinale allergy adverse; Epidermophyton inguinale allergen; Epidermophyton inguinale allergen adverse

Nomenclature

ATCC website: Epidermophyton floccosum (Harz) Langeron et Milochevitch; Syn: Trichophyton violaceum. Stedmans Book (ATCC Fungus Names, 1993): Epidermophyton floccosum (Harz) Langeron et Milochevitch, 1930; Syn: Acrothecium floccosum, Blastotrichum floccosum, Epidermophyton sp., Trichophyton sp. Index Fungorum website: Epidermophyton floccosum (Harz) Langeron & Miloch., Annls Parasit. hum. comp. 8: 495 (1930) var. floccosum; Syn: Acrothecium floccosum, Blastotrichum floccosum, Dactylium floccosum.

Parent Product

425 - Molds, Rusts and Smuts, Epidermophyton inguinale

Related Products

424 - Molds, Rusts and Smuts, Epidermophyton floccosum

Published Data

No data were found for E. inguinale. One report (PMID 76393) was found for E. floccosum. It described immediate and delayed skin test reactions in infected patients. Skin test reactions apparently were not associated with allergic disease. A single case report of urticaria resolved after treatment of E. floccosum (PMID 12464169), no skin testing was performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
424_ Allergol Immunopathol 30-344.pdf	12464169	Méndez, J.	2002
424_ Acta Dermatovener 58-139.pdf	76393	Kaaman, T.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 426 - Molds, Rusts and Smuts, Foxtail Grass Smut Ustilago neglecta

Recommended Scientific Name Macalpinomyces neglectus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Foxtail Grass Smut; Ustilago neglecta; Macalpinomyces neglectus, Sporisorium neglectum

Google: Ustilago neglecta allergy; Ustilago neglecta allergy adverse; Ustilago neglecta allergen; Ustilago neglecta allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Macalpinomyces neglectus; Syn: Sporisorium neglectum, Ustilago neglecta.

Parent Product

426 - Molds, Rusts and Smuts, Foxtail Grass Smut Ustilago neglecta

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 427 - Molds, Rusts and Smuts, Fulvia fulva

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Fulvia fulva; Mycovelosiella fulva; Cladosporium fulvum; Cladosporium fulvum allergy

Google: Fulvia fulva allergy; Fulvia fulva allergy adverse; Fulvia fulva allergen; Fulvia fulva allergen adverse

Nomenclature

ATCC website: Fulvia fulva. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Passalora fulva Synonyms: Cladosporium fulvum, Fulvia fulva, Mycovelosiella fulva.

Parent Product

427 - Molds, Rusts and Smuts, Fulvia fulva

Related Products

410 - Molds, Rusts and Smuts, Cladosporium fulvum

Published Data

One paper (PMID 13258072) with two case reports using passive transfer by the Prausnitz-Küstner method to confirm allergy to Cladosporium fulvum. There are no published data on the use of the product for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
410_ Acta Allergologica 9-38.pdf	13258072	Samsøe-Jensen, T.	1955

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 428 - Molds, Rusts and Smuts, Fusarium

Recommended Scientific Name Fusarium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: fusarium allergy

Google: fusarium allergy; fusarium allergy adverse; fusarium allergen; fusarium allergen adverse

Nomenclature

Synonymy: none; genus only

Parent Product

428 - Molds, Rusts and Smuts, Fusarium

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 429 - Molds, Rusts and Smuts, Fusarium compactum

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: fusarium allergy

Google: fusarium compactum allergy; fusarium compactum allergy adverse; fusarium compactum allergen; fusarium compactum allergen adverse

Nomenclature

ATCC website: Fusarium compactum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Fusarium compactum; Syn: Fusarium equiseti, Fusarium scirpi.

Parent Product

429 - Molds, Rusts and Smuts, Fusarium compactum

Published Data

PMID 9542613 characterizes a 65 kD allergen from F. equiseti that shared more cross reactivity with F. solani than F. moniliforme.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
430_ Allergy 53-311.pdf	9542613	Verma, J.	1998

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 430 - Molds, Rusts and Smuts, Fusarium moniliforme

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: fusarium allergy; Gibberella fujikuroi, with allergy, allergen, asthma, rhinitis, sinusitis

Google: fusarium moniliforme allergy; fusarium moniliforme allergy adverse; fusarium moniliforme allergen; fusarium moniliforme allergen adverse

Nomenclature

ATCC website: Fusarium moniliforme; Syn: Gibberella fujikuroi, Fusarium moniliforme. Stedmans Book (ATCC Fungus Names, 1993): Fusarium moniliforme; Syn: Gibberella fujikuroi, Gibberella moniliformis, Lisea fujikuroi. Index Fungorum website: Gibberella fujikuroi; Syn: Alysidium verticillioides, Fusarium moniliforme, Fusarium verticillioides, Gibberella fujikuroi, Gibberella moniliformis, Lisea fujikuroi, Oospora verticillioides.

Parent Product

430 - Molds, Rusts and Smuts, Fusarium moniliforme

Published Data

Positive skin tests and westerns in HIV patients with eczematous reaction (PMID 10480590). PMID 9542613 characterizes a 65 kD allergen from F. equiseti that shared more cross reactivity with F. solani than F. moniliforme.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
398_ Ann Allergy 83-153.pdf	10480590	Nissen, D.	1999
430_ Allergy 53-311.pdf	9542613	Verma, J.	1998

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 431 - Molds, Rusts and Smuts, Fusarium oxysporum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: fusarium allergy

Google: fusarium oxysporum allergy; fusarium oxysporum allergy adverse; fusarium oxysporum allergen; fusarium oxysporum allergen adverse

Nomenclature

ATCC website: Fusarium oxysporum. Stedmans Book (ATCC Fungus Names, 1993): Fusarium oxysporum; Syn: Fusarium angustum, Fusarium bostrycoides, Fusarium bulbigenum, Fusarium conglitans, Fusarium dianthi, Fusarium orthoceras, Fusarium tracheiphilum, Fusarium vasinfectum. Index Fungorum website: Fusarium oxysporum.

Parent Product

431 - Molds, Rusts and Smuts, Fusarium oxysporum

Published Data

Cross reactivity with mushroom in patients with oral allergy syndrome (PMID 12269655). Allergic bronchopulmonary mycosis with positive skin test and elevated specific IgE were reported in PMID 7551398 and 9609605.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002
436_ Ann Allergy 80-377.pdf	9609605	Saini, S.K.	1998
436_ AJRCCM 152-1379.pdf	7551398	Backman, K.S.	1995

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 432 - Molds, Rusts and Smuts, Fusarium roseum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: fusarium allergy

Google: fusarium roseum allergy; fusarium roseum allergy adverse; fusarium roseum allergen; fusarium roseum allergen adverse

Nomenclature

ATCC website: Fusarium roseum; Syn: Gibberella avenacea, Fusarium moniliforme, Gibberella zeae. Stedmans Book (ATCC Fungus Names, 1993): Fusarium roseum. Index Fungorum website: Gibberella zeae; Syn: Botryosphaeria saubinetii, Dichomera saubinetii, Dothidea zeae, Fusarium graminearum, Fusarium roseum, Gibbera saubinetii, Gibberella rosea, Gibberella saubinetii, Sphaeria saubinetii, Sphaeria zeae.

Parent Product

432 - Molds, Rusts and Smuts, Fusarium roseum

Published Data

PMID 9501477 and Index Fungorum, indicates that F. venetatum is a synonym of F. roseum and a source of the mycoprotein Quorn. The role of Quorn mycoprotein for skin testing was not ascertained. PMID 2256573, reported that 38-54% of patients with rhinitis or asthma has positive skin tests to F. roseum.

Skin prick testing and a double-blind, placebo-controlled food challenge were performed using the Fusarium and mycoprotein, Quorn (PMID 12743577).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
432_ Fungal Gen Biol 23-57.pdf	9501477	O'Donnell, K.	1998
432_ JACI 111-1106.pdf	12743577	Hoff, M.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 433 - Molds, Rusts and Smuts, Fusarium solani

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: fusarium allergy
Google: fusarium solani allergy; fusarium solani allergy adverse; fusarium solani allergen; fusarium solani allergen adverse

Nomenclature

ATCC website: Fusarium solani; Syn: Nectria haematococca var. cucurbitae. Stedmans Book (ATCC Fungus Names, 1993): Fusarium solani; Syn: Nectria haematococca, Fusisporium solani, Hypomyces haematococcus. Index Fungorum website: Haematonectria haematococca; Syn: Cucurbitaria haematococca, Fusarium solani, Hypomyces haematococcus, Nectria haematococca.

Parent Product

433 - Molds, Rusts and Smuts, Fusarium solani

Published Data

PMID 2438068, 7 out of 44 (16%) atopic patients had positive skin tests. Also, it was found that F. solani is cross reactive with A. glaucus and P. notatum.

PMID 9542613, F. solani was found to be cross reactive with F. equiseti (compactum) and F. moniliforme.

PMID 12100306, F. solani was not cross reactive with C. lunata.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
433_ Clin Allergy 17-127.pdf	2438068	O'Neill, C.E.	1987
417_ Allergy 57-636.pdf	12100306	Gupta, R.	2002
430_ Allergy 53-311.pdf	9542613	Verma, J.	1998

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 434 - Molds, Rusts and Smuts, Fusarium sporotrichoides

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: fusarium allergy

Google: fusarium sporotrichoides allergy; fusarium sporotrichoides allergy adverse; fusarium sporotrichoides allergen; fusarium sporotrichoides allergen adverse

Nomenclature

ATCC website: Fusarium sporotrichioides; Syn: Fusarium poae, Stedmans Book (ATCC Fungus Names, 1993): Not listed.

Index Fungorum website: Fusarium sporotrichioides.

Parent Product

434 - Molds, Rusts and Smuts, Fusarium sporotrichoides

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 435 - Molds, Rusts and Smuts, Fusarium spp

Recommended Scientific Name Fusarium, (species to be specified)

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: fusarium allergy

Google: fusarium allergy; fusarium allergy adverse; fusarium allergen; fusarium allergen adverse

Nomenclature

Synonymy: none; genus only

Parent Product

435 - Molds, Rusts and Smuts, Fusarium spp

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 436 - Molds, Rusts and Smuts, Fusarium vasinfectum

Recommended Scientific Name Fusarium oxysporum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: fusarium allergy
Google: fusarium vasinfectum allergy; fusarium vasinfectum allergy adverse; fusarium vasinfectum allergen; fusarium vasinfectum allergen adverse

Nomenclature

ATCC website: Fusarium oxysporum f. sp. vasinfectum Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Fusarium oxysporum; Syn: Fusarium vasinfectum.

Parent Product

436 - Molds, Rusts and Smuts, Fusarium vasinfectum

Published Data

PMID 12269655 reports that cross reactivity between raw mushroom and molds: H. cladoporioides, A. tenuis, F. vasinfectum, and H. interseminatum exists in patients with oral allergy syndrome. PMID 7551398 and 9609605 are case reports of patients with allergic bronchopulmonary mycosis who were skin test positive with F. vasinfectum and had elevated specific IgE levels.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
436_ AJRCCM 152-1379.pdf	7551398	Backman, K.S.	1995
436_ Ann Allergy 80-377.pdf	9609605	Saini, S.K.	1998
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 437 - Molds, Rusts and Smuts, Geotrichum candidum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "geotrichum candidum"; "geotrichum candidum" allergy; "geotrichum candidum" asthma; "geotrichum candidum" rhinitis or sinusitis; Galactomyces geotrichum
Google: geotrichum candidum allergy; geotrichum candidum allergy adverse; geotrichum candidum allergen; geotrichum candidum allergen adverse

Nomenclature

ATCC website: Geotrichum candidum; Syn: Trichosporon cutaneum. Stedmans Book (ATCC Fungus Names, 1993): Geotrichum candidum. Index Fungorum website: Geotrichum candidum; Syn: Galactomyces geotrichum.

Parent Product

437 - Molds, Rusts and Smuts, Geotrichum candidum

Published Data

One report indicated that 46% to 62% of subjects per group were skin test positive to G. candidum (PMID 2256573.)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 438 - Molds, Rusts and Smuts, Gliocladium

Recommended Scientific Name Gliocladium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: gliocladium

Google: gliocladium allergy; gliocladium allergy adverse; gliocladium allergen; gliocladium allergen adverse

Nomenclature

Synonymy: genus only

Parent Product

438 - Molds, Rusts and Smuts, Gliocladium

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 439 - Molds, Rusts and Smuts, Gliocladium fimbriatum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: gliocladium; Myrothecium verrucaria

Google: gliocladium fimbriatum allergy; gliocladium fimbriatum allergy adverse; gliocladium fimbriatum allergen; gliocladium fimbriatum allergen adverse

Nomenclature

ATCC website: Gliocladium fimbriatum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Myrothecium verrucaria; Syn: Gliocladium fimbriatum, Metarhizium glutinosum, Peziza verrucaria.

Parent Product

439 - Molds, Rusts and Smuts, Gliocladium fimbriatum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 440 - Molds, Rusts and Smuts, Gliocladium viridae

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: gliocladium

Google: gliocladium viridae allergy; gliocladium viridae allergy adverse; gliocladium viridae allergen; gliocladium viridae allergen adverse

Nomenclature

ATCC website: Gliocladium viride; Syn: Trichoderma viride. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Gliocladium viride.

Parent Product

440 - Molds, Rusts and Smuts, Gliocladium viridae

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 441 - Molds, Rusts and Smuts, Helminthosporium interseminatum

Recommended Scientific Name Dendryphiella vinosa

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Helminthosporium interseminatum; synonyms

Google: Helminthosporium interseminatum allergy; H. interseminatum allergy adverse; H. interseminatum allergen; H. interseminatum allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Dendryphiella vinosa; Syn: Curvularia interseminata, Dendryphiella interseminata, Dendryphion interseminatum, Dendryphion vinosum, Helminthosporium interseminatum, Helminthosporium vinosum, Heterosporium interseminatum. MycoBank website: Helminthosporium interseminatum is a synonym of Dendryphiella vinosa.

Parent Product

441 - Molds, Rusts and Smuts, Helminthosporium interseminatum

Published Data

PMID 1586003, 32 out of 111 (29%) asthmatics were skin test positive to Helminthosporium extract.

PMID 4673872, H. interseminatum extracts had positive skin scratch and pressure puncture testing results among allergic patients in endemic areas.

PMID 12269655, H. interseminatum was NOT found to be cross reactive to F. vasinfectum, A. tenuis, and H. cladosporoides.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002
441_ J Asthma Res 9-251.pdf	4673872	Prince, H.E.	1972

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 442 - Molds, Rusts and Smuts, Helminthosporium maydis

Recommended Scientific Name Cochliobolus heterostrophus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Helminthosporium maydis; synonyms

Google: Helminthosporium maydis allergy; H. maydis allergy adverse; H. maydis allergen; H. maydis allergen adverse

Nomenclature

ATCC website: Cochliobolus heterostrophus; Syn: Bipolaris maydis. Stedmans Book (ATCC Fungus Names, 1993): Cochliobolus heterostrophus. Index Fungorum website: Cochliobolus heterostrophus; Syn: Bipolaris maydis, Drechslera maydis, Helminthosporium maydis, Ophiobolus heterostrophus.

Parent Product

442 - Molds, Rusts and Smuts, Helminthosporium maydis

Published Data

PMID 10843433, between 8 to 22% of community and intensive care unit patients had positive skin tests results to H. maydis. PMID 4673872, H. maydis extracts had positive skin scratch and pressure puncture testing results among allergic patients in endemic areas.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
441_ J Asthma Res 9-251.pdf	4673872	Prince, H.E.	1972

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 443 - Molds, Rusts and Smuts, Helminthosporium sativum

Recommended Scientific Name Bipolaris sorokiniana

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Drechslera sorokiniana; "Cochliobolus sativus"; "Helminthosporium sativum"

Google: Helminthosporium sativum allergy; H. sativum allergy adverse; H. sativum allergen; H. sativum allergen adverse

Nomenclature

ATCC website: Bipolaris sorokiniana. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Cochliobolus sativus; Syn: Bipolaris californica, Bipolaris sorokiniana, Drechslera sorokiniana, Helminthosporium acrothecioides, Helminthosporium californicum, Helminthosporium sativum, Helminthosporium sorokinianum, Ophiobolus sativus.

Parent Product

393 - Molds, Rusts and Smuts, Bipolaris sorokiniana

Related Products

443 - Molds, Rusts and Smuts, Helminthosporium sativum

Published Data

No supportive papers were identified for Bipolaris sorokiniana. However, two papers used its synonym Helminthosporium sativum. PMID 2256573, 34% of asthma patients and 54% of rhinitis patients tested positive by skin tests to H. sativum. PMID 15577839, 34 patients with allergic fungal rhinosinusitis (AFS) and 38 patients with hypertrophic sinus disease (HSD) were skin test positive for H. sativum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
393_ JACI 114-1376.pdf	15577839	Schubert, M.S.	2004

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 444 - Molds, Rusts and Smuts, Helminthosporium solani

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Helminthosporium solani; synonyms

Google: Helminthosporium solani allergy; H. solani allergy adverse; H. solani allergen; H. solani allergen adverse

Nomenclature

ATCC website: Helminthosporium solani. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Helminthosporium solani; Syn: Brachysporium solani, Dematium atrovirens, Helminthosporium atrovirens, Spondylocladium atrovirens.

Parent Product

444 - Molds, Rusts and Smuts, Helminthosporium solani

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 445 - Molds, Rusts and Smuts, Helminthosporium sp.

Recommended Scientific Name Helminthosporium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

No genus identified

Parent Product

445 - Molds, Rusts and Smuts, Helminthosporium sp.

Published Data

Many of the studies cited in the Panel I report (pgs 3199-3200) failed to identify the Helminthosporium species being studied. No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 446 - Molds, Rusts and Smuts, Hormodendrum (Cladosporium)

Recommended Scientific Name Cladosporium cladosporioides

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

ATCC website: Cladosporium cladosporioides, anamorph deposited as Hormodendrum cladosporioides. Stedmans Book (ATCC Fungus Names, 1993): Cladosporium cladosporioides; Syn: Hormodendrum cladosporioides, Penicillium cladosporioides, Cladosporium hypophyllum. Index Fungorum website: Cladosporium cladosporioides; Syn: Hormodendrum cladosporioides, Monilia humicola, Penicillium cladosporioides.

Parent Product

446 - Molds, Rusts and Smuts, Hormodendrum (Cladosporium)

Related Products

447 - Molds, Rusts and Smuts, Hormodendrum cladosporioides

Published Data

PMID 10843433, 14% of hospital and community and 24.3% intensive care unit atopic patients were skin test positive to C. cladosporioides.

PMID 2256573, 36% of asthma and 38% of rhinitis patients were skin test positive to C. cladosporioides spore extracts.

PMID 12269655, Reports that cross reactivity between raw mushroom and molds: H. cladosporioides, A. tenuis, F. vasinfectum, and H. interseminatum exists in patients with oral allergy syndrome. No data was found to support immunotherapy.

PMID 3349592, Four out of 8 patients had positive skin reactions to an indoor source of C. cladosporioides.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 447 - Molds, Rusts and Smuts, Hormodendrum cladosporioides

Recommended Scientific Name Cladosporium cladosporioides

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Cladosporium cladosporioides; Cladosporium cladosporioides allergy; Cladosporium cladosporioides asthma; Cladosporium cladosporioides sinusitis; Cladosporium cladosporioides rhinitis

Google: Cladosporium cladosporioides allergy; C. cladosporioides allergy adverse; C. cladosporioides allergen; C. cladosporioides allergen adverse

Nomenclature

ATCC website: Cladosporium cladosporioides, anamorph deposited as Hormodendrum cladosporioides. Stedmans Book (ATCC Fungus Names, 1993): Cladosporium cladosporioides; Syn: Hormodendrum cladosporioides, Penicillium cladosporioides, Cladosporium hypophyllum. Index Fungorum website: Cladosporium cladosporioides; Syn: Hormodendrum cladosporioides, Monilia humicola, Penicillium cladosporioides.

Parent Product

446 - Molds, Rusts and Smuts, Hormodendrum (Cladosporium)

Related Products

447 - Molds, Rusts and Smuts, Hormodendrum cladosporioides

Published Data

PMID 10843433, 14% of hospital and community and 24.3% intensive care unit atopic patients were skin test positive to C. cladosporioides.

PMID 2256573, 36% of asthma and 38% of rhinitis patients were skin test positive to C. cladosporioides spore extracts.

PMID 12269655, Reports that cross reactivity between raw mushroom and molds: H. cladosporioides, A. tenuis, F. vasinfectum, and H. interseminatum exists in patients with oral allergy syndrome. No data was found to support immunotherapy.

PMID 3349592, Four out of 8 patients had positive skin reactions to an indoor source of C. cladosporioides.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
436_ Ann Allergy 89-319.pdf	12269655	Dauby, P.A.	2002
371_ Allergy 55-501.pdf	10843433	Black, P.N.	2000
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 448 - Molds, Rusts and Smuts, Hormodendrum pedrosoi

Recommended Scientific Name Fonsecaea pedrosoi

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: hormodendrum pedrosoi; synonyms

Google: hormodendrum pedrosoi allergy; h. pedrosoi allergy adverse; h. pedrosoi allergen; h. pedrosoi allergen adverse

Nomenclature

ATCC website: Fonsecaea pedrosoi. Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Fonsecaea pedrosoi; Syn: Acrotheca pedrosoi, Carrionia pedrosoi, Fonsecaea cladosporium, Fonsecaea pedrosoi, Gomphitaria pedrosoi, Hormodendroides pedrosoi, Hormodendrum pedrosoi, Phialophora pedrosoi, Rhinocladiella pedrosoi, Trichosporum pedrosianum, Trichosporum pedrosoi.

Parent Product

448 - Molds, Rusts and Smuts, Hormodendrum pedrosoi

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 449 - Molds, Rusts and Smuts, Humicola grisea

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Humicola grisea; Humicola insolens; Humicola veronae

Google: Humicola grisea allergy; H. grisea allergy adverse; H. grisea allergen; H. grisea allergen adverse

Nomenclature

ATCC website: Humicola grisea. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Humicola grisea.

Parent Product

449 - Molds, Rusts and Smuts, Humicola grisea

Published Data

No supportive data were identified. PMID 10604554 and 7195685 concern elevated anti-Humicola grisea IgG antibodies in patients with farmers' lung and mushroom workers' lung.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
449_ Appl Environ Microbiol 41-1454.pdf	7195685	Kleyn, J.G.	1981
366_ Allergy 54-1181.pdf	10604554	Erkinjuntti-Pekkanen,	1999

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 450 - Molds, Rusts and Smuts, Hypocrea rufa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Hypocrea rufa

Google: Hypocrea rufa allergy; H. rufa allergy adverse; H. rufa allergen; H. rufa allergen adverse

Nomenclature

ATCC website: Hypocrea rufa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Trichoderma viride; Syn: Hypocrea contorta, Hypocrea rufa, Pyrenium lignorum, Sphaeria contorta, Sphaeria rufa, Trichoderma lignorum, Trichoderma viride.

Parent Product

450 - Molds, Rusts and Smuts, Hypocrea rufa

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 451 - Molds, Rusts and Smuts, Johnson Grass Smut Sphacelotheca cruenta

Recommended Scientific Name Sporisorium cruentum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Sphacelotheca cruenta, Johnson Grass Smut

Google: Sphacelotheca cruenta allergy; S. cruenta allergy adverse; S. cruenta allergen; S. cruenta allergen adverse; same search results performed for Johnson grass smut

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Sporisorium cruentum; Syn: Sphacelotheca cruenta, Sphacelotheca holci, Ustilago cruenta.

Parent Product

451 - Molds, Rusts and Smuts, Johnson Grass Smut Sphacelotheca cruenta

Published Data

No data was found on U. cynodonyis.

Sphacelotheca cruenta or its synonyms were not mentioned in the Panel 1 report (pgs 3205-6) on smuts.

The only Ustilago reports are about U. maydis (corn smut). PMID 15552717, Ustilago was tested (but species not identified) in Greek patients; the number that reacted was not specified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	none
<u>Therapy:</u>	Category IIIA	none

Product: 452 - Molds, Rusts and Smuts, Microsporium (lanosum) canis

Recommended Scientific Name Microsporium canis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: microsporium lanosum; Microsporium canis; Microsporium canis allergy; Microsporium canis asthma OR rhinitis OR sinusitis OR eczema; Sabouraudites canis

Google: Microsporium canis allergy; M. canis allergy adverse; M. canis allergen; M. canis allergen adverse

Nomenclature

ATCC website: Microsporium canis. Stedmans Book (ATCC Fungus Names, 1993): Microsporium canis. Syn: Closterozporia sp., M. caninum, M. equinum, M. felineum, M. lanosum, M. obesum, Sabouraudites lanatus, Nannizziz otae. Index Fungorum website: Microsporium canis.

Parent Product

452 - Molds, Rusts and Smuts, Microsporium (lanosum) canis

Related Products

454 - Molds, Rusts and Smuts, Microsporium canis

Published Data

Most published data use mixtures as the extract.

PMID 2256573 uses a Microsporium mixture for skin testing.

PMID 12765626 uses M. canis extract to evaluate delayed hypersensitivity to cats, extract was not tested in humans.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
454_ J Feline Med Surg 5-161.pdf	12765626	Moriello, K.A.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 453 - Molds, Rusts and Smuts, Microsporium audouini

Recommended Scientific Name Microsporium audouinii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Microsporium audouini

Google: Microsporium audouini allergy; M. audouini allergy adverse; M. audouini allergen; M. audouini allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Microsporium audouinii; Syn: Closteroaleurosporia audouinii, Sabouraudites audouinii, Sporotrichum audouinii, Veronaia audouinii Index Fungorum website: Microsporium audouinii.

Parent Product

453 - Molds, Rusts and Smuts, Microsporium audouini

Published Data

PMID 2256573 uses a Microsporium mixture for skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 454 - Molds, Rusts and Smuts, Microsporium canis

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Microsporium canis; Microsporium canis allergy; Microsporium canis asthma OR rhinitis OR sinusitis OR eczema; Sabouraudites canis

Google: Microsporium canis allergy; M. canis allergy adverse; Microsporium canis allergen; Microsporium canis allergen adverse

Nomenclature

ATCC website: Microsporium canis. Stedmans Book (ATCC Fungus Names, 1993): Microsporium canis. Syn: Closterosporia sp., M. caninum, M. equinum, M. felineum, M. lanosum, M. obesum, Sabouraudites lanatus, Nannizziz otae. Index Fungorum website: Microsporium canis.

Parent Product

452 - Molds, Rusts and Smuts, Microsporium (lanosum) canis

Related Products

454 - Molds, Rusts and Smuts, Microsporium canis

Published Data

Most published data use mixtures as the extract.

PMID 2256573 uses a Microsporium mixture for skin testing.

PMID 12765626 uses M. canis extract to evaluate delayed hypersensitivity to cats, extract was not tested in humans.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
454_ J Feline Med Surg 5-161.pdf	12765626	Moriello, K.A.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 455 - Molds, Rusts and Smuts, Monilia sitophila

Recommended Scientific Name Chrysonilia sitophila

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Monilia sitophila; Chrysonilia sitophila; Penicillium sitophilum

Google: Monilia sitophila allergy; M. sitophila allergy adverse; M. sitophila allergen; M. sitophila allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Chrysonilia sitophila; Syn: Amblyosporium aurantiacum, Monilia aurantiaca, Monilia lupuli, Monilia sitophila, Oidium aurantiacum, Oidium lupuli, Oospora aurantiaca, Oospora lupuli, Penicillium sitophilum.

Parent Product

455 - Molds, Rusts and Smuts, Monilia sitophila

Published Data

PMID 2256573, 36-44% of hay fever or asthma patients are skin test positive to M. sitophila extract.

PMID 8648039 is a case report of loggerss asthma with positive skin test, including another study of 93 asthma patients of whom 16% were skin test positive to Chrysonilia sitophila.

PMID 15180761 is the identification - by immunoblot - of allergens for cork workers' lung (suberosis)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
455_ Allergy 59-739.pdf	15180761	Winck, J.C.	2004
455_ JACI 97-1409.pdf	8648039	Tarlo, S.M.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 456 - Molds, Rusts and Smuts, Mucor circinelloides

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Mucor circinelloides; Mucor circinelloides allergy OR allergen OR asthma OR rhinitis OR sinusitis OR skin tests; Mucor circinelloides immunotherapy

Google: Mucor circinelloides allergy; M. circinelloides allergy adverse; M. circinelloides allergen; M. circinelloides allergen adverse

Nomenclature

ATCC website: Mucor circinelloides. Stedmans Book (ATCC Fungus Names, 1993): Mucor circinelloides; Syn: M. griseo-lilacinus, M. jauchae, M. lusitanicus, M. racemosus, M. zeicolus. Index Fungorum website: Mucor circinelloides.

Parent Product

456 - Molds, Rusts and Smuts, Mucor circinelloides

Related Products

457 - Molds, Rusts and Smuts, Mucor circinelloides f. circinelloides

458 - Molds, Rusts and Smuts, Mucor circinelloides f. lusitanicus

Published Data

M. circinelloides is specifically noted in Table 1 of the Panel 1 Report (pg 3196). "The reported evidence is scanty but uniformly indicates that a properly performed and interpreted skin test may be of value as an aid in the diagnosis of hay fever and/or asthma induced by inhalation of Mucor spores". Many of the studies cited in the Panel I report (pg 3203-3204) fail to identify the Mucor species being studied. M. plumbeus is cited in one study with positive skin tests and mucosal challenges. M. hiemalis is cited in another study, but the bronchial and nasal challenges were negative.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 457 - Molds, Rusts and Smuts, Mucor circinelloides f. circinelloides

Recommended Scientific Name Mucor circinelloides

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Mucor circinelloides; Mucor circinelloides allergy OR allergen OR asthma OR rhinitis OR sinusitis OR skin tests; Mucor circinelloides immunotherapy; allergy modifiers with any of the synonyms

Google: Mucor circinelloides allergy; M. circinelloides allergy adverse; M. circinelloides allergen; M. circinelloides allergen adverse

Nomenclature

ATCC website: Mucor circinelloides. Stedmans Book (ATCC Fungus Names, 1993): Mucor circinelloides; Syn: M. griseo-lilacinus, M. jauchae, M. lusitanicus, M. racemosus, M. zeicolus. Index Fungorum website: Mucor circinelloides.

Parent Product

456 - Molds, Rusts and Smuts, Mucor circinelloides

Related Products

457 - Molds, Rusts and Smuts, Mucor circinelloides f. circinelloides

458 - Molds, Rusts and Smuts, Mucor circinelloides f. lusitanicus

Published Data

M. circinelloides is specifically noted in Table 1 of the Panel 1 Report (pg 3196). "The reported evidence is scanty but uniformly indicates that a properly performed and interpreted skin test may be of value as an aid in the diagnosis of hay fever and/or asthma induced by inhalation of Mucor spores". Many of the studies cited in the Panel I report (pg 3203-3204) fail to identify the Mucor species being studied. M. plumbeus is cited in one study with positive skin tests and mucosal challenges. M. hiemalis is cited in another study, but the bronchial and nasal challenges were negative.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 458 - Molds, Rusts and Smuts, Mucor circinelloides f. lusitanicus

Recommended Scientific Name Mucor circinelloides

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Mucor circinelloides; Mucor circinelloides allergy OR allergen OR asthma OR rhinitis OR sinusitis OR skin tests; Mucor circinelloides immunotherapy; allergy modifiers with any of the synonyms; mucor racemosus allergy
Google: Mucor circinelloides allergy; M. circinelloides allergy adverse; M. circinelloides allergen; M. circinelloides allergen adverse

Nomenclature

ATCC website: Mucor circinelloides. Stedmans Book (ATCC Fungus Names, 1993): Mucor circinelloides; Syn: M. griseo-lilacinus, M. jauchae, M. lusitanicus, M. racemosus, M. zeicolus. Index Fungorum website: Mucor circinelloides.

Parent Product

456 - Molds, Rusts and Smuts, Mucor circinelloides

Related Products

457 - Molds, Rusts and Smuts, Mucor circinelloides f. circinelloides

458 - Molds, Rusts and Smuts, Mucor circinelloides f. lusitanicus

Published Data

M. circinelloides is specifically noted in Table 1 of the Panel 1 Report (pg 3196). "The reported evidence is scanty but uniformly indicates that a properly performed and interpreted skin test may be of value as an aid in the diagnosis of hay fever and/or asthma induced by inhalation of Mucor spores". Many of the studies cited in the Panel I report (pg 3203-3204) fail to identify the Mucor species being studied. M. plumbeus is cited in one study with positive skin tests and mucosal challenges. M. hiemalis is cited in another study, but the bronchial and nasal challenges were negative.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 459 - Molds, Rusts and Smuts, Mucor lamprospora

Recommended Scientific Name Backusella lamprospora

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Mucor lamprospora

Google: Mucor lamprospora allergy; M. lamprospora allergy adverse; M. lamprospora allergen; M. lamprospora allergen adverse

Nomenclature

ATCC website: Backusella lamprospora. Stedmans Book (ATCC Fungus Names, 1993): Not listed Index Fungorum website:

Backusella lamprospora; Syn: Mucor lamprospora.

Parent Product

459 - Molds, Rusts and Smuts, Mucor lamprospora

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 460 - Molds, Rusts and Smuts, Mucor mucedo

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mucor mucedo; Rhizopus stolonifer; Mucor stolonifer; Rhizopus stolonifer; Rhizopus nigricans; other synonyms

Google: mucor mucedo allergy; m. mucedo allergy adverse; m. mucedo allergen; m. mucedo allergen adverse

Nomenclature

ATCC website: Mucor mucedo. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Mucor mucedo. MycoBank website: Mucor mucedo; Syn: Mucor caninus, Mucor mucedo, Mucor coprophilu, Mucor griseoohraceus, Mucor murorum, Hydrophora stercorea, Ascophora stercorea, Mucor stercoreus.

Parent Product

460 - Molds, Rusts and Smuts, Mucor mucedo

Published Data

PMID 7507274 is a single veterinary study suggesting a role for M. mucedo in equine chronic obstructive pulmonary disease (COPD).

PMID 589785 is a study of the prevalence of M. mucedo in the sputum of Scottish maltworkers (48%) and seropositivity (3%), but NOT prevalent among those with alveolitis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
461_ Vet Immunol Immunopathol 38-217.pdf	7507274	Dirscherl, P.	1993
460_ Clin Allergy 7-549.pdf	589785	Blyth, W.	1977

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 461 - Molds, Rusts and Smuts, Mucor plumbeus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mucor plumbeus; Mucor spinosus; other synonyms
Google: mucor plumbeus allergy; m. plumbeus allergy adverse; m. plumbeus allergen; m. plumbeus allergen adverse

Nomenclature

ATCC website: Mucor plumbeus. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Mucor plumbeus. MycoBank website: Mucor plumbeus; Syn: Mucor adriaticus, Mucor brunneogriseus, Mucor brunneus, Mucor spinescens, Mucor spinosus, Mucor plumbeus.

Parent Product

461 - Molds, Rusts and Smuts, Mucor plumbeus

Published Data

M. plumbeus is specifically noted in Table 1 of Panel 1's report (pg 3196). "The reported evidence is scanty but uniformly indicates that a properly performed and interpreted skin test may be of value as an aid in the diagnosis of hay fever and/or asthma induced by inhalation of Mucor spores". Many of the studies cited in the Panel I report (pg 3203-3204) fail to identify the Mucor species being studied. M. plumbeus is cited in one study with positive skin tests and mucosal challenges. M. hiemalis is cited in another study, but the bronchial and nasal challenges were negative. Aside from the study cited by Panel I, only a single veterinary study (PMID 7507274) suggesting a role for M. plumbeus in equine chronic obstructive pulmonary disease (COPD).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
461_Vet Immunol Immunopathol 38-217.pdf	7507274	Dirscherl, P.	1993

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 462 - Molds, Rusts and Smuts, Mucor racemosus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mucor racemosus allergy; Botrytis racemosa
Google: mucor racemosus allergy; m. racemosus allergy adverse; m. racemosus allergen; m. racemosus allergen adverse

Nomenclature

ATCC website: Mucor racemosus. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Mucor racemosus. MycoBank website: Mucor racemosus; Syn: Mucor christianensis, Mucor racemosus, Mucor dimorphosporus, Mucor pispekii, Circinomucor racemosus, Mucor varians."

Parent Product

462 - Molds, Rusts and Smuts, Mucor racemosus

Published Data

M. racemosus is specifically noted in Table 1 of the Panel 1 report (pg 3196). "The reported evidence is scanty but uniformly indicates that a properly performed and interpreted skin test may be of value as an aid in the diagnosis of hay fever and/or asthma induced by inhalation of Mucor spores". Many of the studies cited in the Panel I report (pg 3203-3204) fail to identify the Mucor species being studied. M. plumbeus is cited in one study with positive skin tests and mucosal challenges. M. hiemalis is cited in another study, but the bronchial and nasal challenges were negative.

PMID 3993865. A study of 130 patients from Scandanavia suspected of having a mold allergy. Fourteen percent (14%) of patients were skin test positive to M. racemosus (higher percent among those with positive skin tests to Cladosporium).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 463 - Molds, Rusts and Smuts, Mucor rhizopodoformis

Recommended Scientific Name Rhizopus microsporus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Mucor rhizopodiformis; Rhizopus microsporus

Google: Mucor rhizopodiformis allergy; M. rhizopodiformis allergy adverse; M. rhizopodiformis allergen; M. rhizopodiformis allergen adverse

Nomenclature

ATCC website: Rhizopus microsporus van Tieghem, teleomorph deposited as Rhizopus microsporus var. rhizopodiformis (Cohn) Schipper et Stalpers, teleomorph Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Mucor rhizopodiformis; Syn: Rhizopus microsporus var. rhizopodiformis

Parent Product

463 - Molds, Rusts and Smuts, Mucor rhizopodoformis

Published Data

(PMID 8213847, 1597347) R. microsporus was associated with wood trimmer's alveolitis (IgG mediated). Neither paper used skin tests for diagnosis or immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
463_ Am J Indust Med 24-207.pdf	8213847	Eduard, W.	1993
463_ IAAI 97-274.pdf	1597347	Eduard, W.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 464 - Molds, Rusts and Smuts, Mucor rouxii

Recommended Scientific Name Mucor indicus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Mucor rouxii; and any allergy modifier; Amylomyces rouxi; other synonyms

Google: Mucor rouxii allergy; M. rouxii allergy adverse; M. rouxii allergen; M. rouxii allergen adverse

Nomenclature

ATCC website: Mucor indicus; Syn: Mucor rouxii, Amylomyces rouxii, Absidia coerulea. Stedmans Book (ATCC Fungus Names, 1993): Mucor indicus. Index Fungorum website: Rhizopus arrhizus; Syn: Mucor rouxii.

Parent Product

464 - Molds, Rusts and Smuts, Mucor rouxii

Published Data

No supportive data were identified

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 465 - Molds, Rusts and Smuts, Mycogone spp

Recommended Scientific Name Mycogone perniciosa

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: mycogone

Google: mycogone allergy; mycogone allergy adverse; mycogone allergen; mycogone allergen adverse

Nomenclature

ATCC website: Mycogone perniciosa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Hypomyces perniciosus.

Parent Product

466 - Molds, Rusts and Smuts, Mycogone perniciosa

Related Products

465 - Molds, Rusts and Smuts, Mycogone spp

467 - Molds, Rusts and Smuts, Mycogone sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 466 - Molds, Rusts and Smuts, Mycogone perniciosa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: mycogone; Hypomyces perniciosus

Google: mycogone allergy; mycogone allergy adverse; mycogone allergen; mycogone allergen adverse

Nomenclature

ATCC website: Mycogone perniciosa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Hypomyces perniciosus.

Parent Product

466 - Molds, Rusts and Smuts, Mycogone perniciosa

Related Products

465 - Molds, Rusts and Smuts, Mycogene spp

467 - Molds, Rusts and Smuts, Mycogone sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 467 - Molds, Rusts and Smuts, Mycogone sp.

Recommended Scientific Name Mycogone perniciosa

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mycogone

Google: mycogone allergy; mycogone allergy adverse; mycogone allergen; mycogone allergen adverse

Nomenclature

ATCC website: Mycogone perniciosa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Hypomyces perniciosus.

Parent Product

466 - Molds, Rusts and Smuts, Mycogone perniciosa

Related Products

465 - Molds, Rusts and Smuts, Mycogene spp

467 - Molds, Rusts and Smuts, Mycogone sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 468 - Molds, Rusts and Smuts, Neurospora crassa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: neurospora crassa; and any allergy modifier; and immunotherapy

Google: neurospora crassa allergy; n. crassa allergy adverse; n. crassa allergen; n. crassa allergen adverse

Nomenclature

ATCC website: Neurospora crassa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Neurospora crassa.

Parent Product

468 - Molds, Rusts and Smuts, Neurospora crassa

Published Data

(PMID 2256573) In a single report, between 36 and 38% of 100 asthma and hay fever patients were skin test positive to N. crassa.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 469 - Molds, Rusts and Smuts, Neurospora intermedia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Neurospora intermedia
Google: Neurospora intermedia allergy; N. intermedia allergy adverse; N. intermedia allergen; N. intermedia allergen adverse

Nomenclature

ATCC website: Neurospora intermedia Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Neurospora intermedia.

Parent Product

469 - Molds, Rusts and Smuts, Neurospora intermedia

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 470 - Molds, Rusts and Smuts, Neurospora sitophila

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Monilia sitophila; Chrysonilia sitophila
Google: Monilia sitophila allergy; M. sitophila allergy adverse; M. sitophila allergen; M. sitophila allergen adverse

Nomenclature

ATCC website: Neurospora sitophila. Stedmans Book (ATCC Fungus Names, 1993): Neurospora sitophila. Index Fungorum website: Neurospora sitophila.

Parent Product

470 - Molds, Rusts and Smuts, Neurospora sitophila

Published Data

(PMID 2256573) 36 to 44% of rhinitis and asthma patients are skin test positive to M. sitophila.
PMID 8648039 is a case report of logger's asthma with positive skin test, including another study of 93 asthma patients of whom 16% were skin test positive.
PMID 15180761 is the identification - by immunoblot - of allergens for cork workers' lung (suberosis)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
455_ Allergy 59-739.pdf	15180761	Winck, J.C.	2004
455_ JACI 97-1409.pdf	8648039	Tarlo, S.M.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 471 - Molds, Rusts and Smuts, Nigrospora oryzae

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Nigrospora oryzae; synonyms

Google: Nigrospora oryzae allergy; N. oryzae allergy adverse; N. oryzae allergen; N. oryzae allergen adverse

Nomenclature

ATCC website: Nigrospora oryzae; Syn: Phoma sp., Khuskia oryzae. Stedmans Book (ATCC Fungus Names, 1993): Nigrospora sphaerica; Syn: Coniosporium extremorum, Epococcum levisporum, Trichosporum sphaericum. Index Fungorum website: Khuskia oryzae; Syn: Apiospora, Basisporium gallarum, Monotospora oryzae, Nigrospora gallarum, Nigrospora gossypii, Nigrospora oryzae, Nigrospora sphaerica, Trichosporum sphaericum.

Parent Product

471 - Molds, Rusts and Smuts, Nigrospora oryzae

Related Products

472 - Molds, Rusts and Smuts, Nigrospora sphaerica

Published Data

No supportive data were identified. Several descriptive aerobiology articles, similar to PMID 15552717 were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 472 - Molds, Rusts and Smuts, Nigrospora sphaerica

Recommended Scientific Name Nigrospora oryzae

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Nigrospora sphaerica; synonyms; nigrospora

Google: Nigrospora sphaerica allergy; N. sphaerica allergy adverse; N. sphaerica allergen; N. sphaerica allergen adverse

Nomenclature

ATCC website: Nigrospora oryzae; Syn: Phoma sp., Khuskia oryzae. Stedmans Book (ATCC Fungus Names, 1993): Nigrospora sphaerica; Syn: Coniosporium extremorum, Epococcum levisporum, Trichosporum sphaericum. Index Fungorum website: Khuskia oryzae; Syn: Apiospora, Basisporium gallarum, Monotospora oryzae, Nigrospora gallarum, Nigrospora gossypii, Nigrospora oryzae, Nigrospora sphaerica, Trichosporum sphaericum.

Parent Product

471 - Molds, Rusts and Smuts, Nigrospora oryzae

Related Products

472 - Molds, Rusts and Smuts, Nigrospora sphaerica

Published Data

No supportive data were identified. Several descriptive aerobiology articles, similar to PMID 15552717 were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 473 - Molds, Rusts and Smuts, Oat Smut Ustilago avenae

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ustilago avenae, Oak smut
Google: Oak smut allergy; Oak smut allergy adverse; Oak smut allergen; Oak smut allergen adverse; same search results performed for Ustilago avenae

Nomenclature

ATCC website: Ustilago avenae. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago avenae; Syn: Ustilago nigra.

Parent Product

473 - Molds, Rusts and Smuts, Oat Smut Ustilago avenae

Related Products

389 - Molds, Rusts and Smuts, Barley Smut, Covered Ustilago nigra

Published Data

No papers were found referencing U. nigra or its synonyms. The only Ustilago reports are about U. maydis (corn smut) (PMID 1239229, 4037433, 2256573). Ustilago was tested (but species not identified) in Greek patients in 231 (PMID. 15552717); the number that reacted was not specified, probably few to none. U. nigra (as U. avenae) is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. avenae is cited. In (PMID 4655464), U. avenae is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 474 - Molds, Rusts and Smuts, Oat Stem Smut

Recommended Common Name Oat Stem Rust

Recommended Scientific Name Puccinia graminis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: oat stem smut

Google: oat stem rust; oat stem smut

Nomenclature

ATCC website: Puccinia graminis. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Puccinia graminis; Syn: Aecidium berberidis Caeoma berberidis Dicaeoma anthistiriae Puccinia albigensis Puccinia anthistiriae Puccinia cerealis Puccinia elymina Puccinia favargerii Puccinia jubata Puccinia linearis Puccinia megalopotamica Puccinia secalis Puccinia vilis Roestelia berberidis.

Parent Product

474 - Molds, Rusts and Smuts, Oat Stem Smut

Related Products

543 - Molds, Rusts and Smuts, Wheat Stem Rust Puccinia graminis tritici

Published Data

Panel 1 specifically identified (pg 3205-6) P. graminis tritici as rust. P. graminis tritici is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206). However, review of Hyde indicates that no direct evidence of the allergenicity of P. graminis is cited. In PMID 4655464, P. graminis is listed without citation, in a section with the following text in its lead paragraph: "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
473_Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 475 - Molds, Rusts and Smuts, Paecilomyces varioti

Recommended Scientific Name Paecilomyces variotii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Paecilomyces varioti; Paecilomyces variotii; Paecilomyces variotii and allergy; synonyms

Google: Paecilomyces varioti allergy; P. varioti allergy adverse; P. varioti allergen; P. varioti allergen adverse

Nomenclature

ATCC website: Paecilomyces variotii. Stedmans Book (ATCC Fungus Names, 1993): Paecilomyces variotii; Syn: Corollium dermatophagum, Eidamia catenulata, Monilia formosum, Paecilomyces aureo-cinnamomeus. Index Fungorum website: Paecilomyces variotii; Syn: Monilia Formosa, Paecilomyces divaricatus, Paecilomyces formosus, Penicillium divaricatum, Penicillium variotii, Penicillium viniferum, Spicaria divaricata.

Parent Product

475 - Molds, Rusts and Smuts, Paecilomyces varioti

Published Data

One paper (PMID 1597347) associates anti-P. variotii IgG with woodtrimmers alveolitis, no skin test data were provided. PMID 6831685 provides weak evidence of IgE-reactivity (but no associated IgE-mediated symptoms). There was not significant difference between the occurrence of positive skin test results to Paecilomyces protein between the exposed worker group and the control group.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
463_ IAAI 97-274.pdf	1597347	Eduard, W.	1992
475_ Clin Allergy 13-69.pdf	6831685	Kauppinen, K.	1983

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 476 - Molds, Rusts and Smuts, Papularia (Apriospora) montagnei

Recommended Scientific Name Apiospora montagnei

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: papularia; Apiospora montagnei; synonyms

Google: Apiospora montagnei allergy; A. montagnei allergy adverse; A. montagnei allergen; A. montagnei allergen adverse

Nomenclature

ATCC website: Apiospora montagnei; Syn: Arthrinium arundinis. Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Apiospora montagnei; Syn: Arthrinium arundinis, Coniosporium arundinis, Coniosporium bambusae, Coniosporium circumscissum, Coniosporium gramineum, Epicoccum theobromae, Gymnosporium arundinis, Gymnosporium bambusae, Gymnosporium circumscissum, Gymnosporium gramineum, Gymnosporium griseum, Hypopteris apiospora, Innatospora rosea, Melanconium circumscissum, Melanconium sphaerospermum, Papularia arundinis, Periconia lanata, Phyllachora cyperi, Sphaeria apiospora, Sphaeria montagnei, Torula donacina, Torula sambuci, Tubercularia apiospora.

Parent Product

476 - Molds, Rusts and Smuts, Papularia (Apriospora) montagnei

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 477 - Molds, Rusts and Smuts, Penicillium atramentosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium atramentosum

Google: Penicillium atramentosum allergy; P. atramentosum allergy adverse; P. atramentosum allergen; P. atramentosum allergen adverse

Nomenclature

ATCC website: Penicillium atramentosum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium atramentosum.

Parent Product

477 - Molds, Rusts and Smuts, Penicillium atramentosum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 478 - Molds, Rusts and Smuts, Penicillium biforme

Recommended Scientific Name Penicillium camemberti

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: penicillium biforme; penicillium camemberti

Google: penicillium biforme allergy; P. biforme allergy adverse; P. biforme allergen; P. biforme allergen adverse

Nomenclature

ATCC website: Penicillium camemberti; Syn: Penicillium verrucosum, Penicillium purpurogenum. Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Penicillium camemberti; Syn: Penicillium biforme, Penicillium candidum, Penicillium caseicola.

Parent Product

479 - Molds, Rusts and Smuts, Penicillium camemberti

Related Products

478 - Molds, Rusts and Smuts, Penicillium biforme

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 479 - Molds, Rusts and Smuts, Penicillium camemberti

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: penicillium biforme; penicillium camemberti; penicillium caseicola

Google: penicillium camemberti allergy; P. camemberti allergy adverse; P. camemberti allergen; P. camemberti allergen adverse

Nomenclature

ATCC website: Penicillium camemberti; Syn: Penicillium verrucosum, Penicillium purpurogenum. Stedmans Book (ATCC Fungus Names, 1993): Index Fungorum website: Penicillium camemberti; Syn: Penicillium biforme, Penicillium candidum, Penicillium caseicola.

Parent Product

479 - Molds, Rusts and Smuts, Penicillium camemberti

Related Products

478 - Molds, Rusts and Smuts, Penicillium biforme

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 480 - Molds, Rusts and Smuts, Penicillium carmino-violaceum

Recommended Scientific Name Penicillium carminoviolaceum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium carmino-violaceum; Penicillium carmineoviolaceum

Google: Penicillium carmino-violaceum allergy; P. carmino-violaceum allergy adverse; P. carmino-violaceum allergen; P. carmino-violaceum allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium carminoviolaceum. MycoBank website: Penicillium carminoviolaceum; Syn: Penicillium roseopurpureum

Parent Product

480 - Molds, Rusts and Smuts, Penicillium carmino-violaceum

Related Products

494 - Molds, Rusts and Smuts, Penicillium roseo-purpureum

Published Data

One paper characterizes a monoclonal antibody (P40) prepared against the 68 kD major allergen protein from P. notatum. This paper indicates that the monoclonal antibody also recognizes P. roseopurpureum (PMID 1377093).

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
494_Clin Exp Allergy 22-485.pdf	1377093	Shen, H.D.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 481 - Molds, Rusts and Smuts, Penicillium chrysogenum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Penicillium chrysogenum; Penicillium chrysogenum allergy; Penicillium chrysogenum asthma
Google: Penicillium chrysogenum allergy; P. chrysogenum allergy adverse; P. chrysogenum allergen; P. chrysogenum allergen adverse

Nomenclature

ATCC website: Penicillium chrysogenum. Stedmans Book (ATCC Fungus Names, 1993): Penicillium chrysogenum; Syn: Penicillium aromaticum, Penicillium camerunense, Penicillium chrysogenum, Penicillium harmonense, Penicillium meleagrinum, Penicillium notatum, P. rubens, P. flavidomarginatum, P. chlorphaeum. Index Fungorum website: Penicillium chrysogenum.

Parent Product

481 - Molds, Rusts and Smuts, Penicillium chrysogenum

Related Products

491 - Molds, Rusts and Smuts, Penicillium notatum

Published Data

Skin test surveys: 29% of allergy patients in Toronto (PMID 3349592); 2% of 130 patients (PMID 3993865); 7% of 44 patients (PMID 2438068); 68% of 100 patients (PMID 2256573); 4/15 HIV+ patients (PMID 10480590); 32% of 127 asthmatics (mixture; PMID 1586003); RAST/IgE survey: 7.3% of 137 patients (PMID 11678856); Specific allergens identified in PMID 14510716, 12602675, 10694469. Associations between histamine release test to P. chrysogenum and building related symptoms (PMID 11392611).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985
433_ Clin Allergy 17-127.pdf	2438068	O'Neill, C.E.	1987
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
398_ Ann Allergy 83-153.pdf	10480590	Nissen, D.	1999
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
481_ Allergy 58-993.pdf	14510716	Shen, H.D.	2003
481_ Ann Allergy 90-248.pdf	12602675	Chou, H.	2003
481_ BBRC 269-14.pdf	10694469	Chow, L.P.	2000
481_ Clin Exp Allergy 31-1564.pdf	11678856	Nolles, G.	2001
481_ Inflamm Res 50-227.pdf	11392611	Lander, F.	2001

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 482 - Molds, Rusts and Smuts, Penicillium digitatum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium digitatum; allergy; synonyms
Google: Penicillium digitatum allergy; P. digitatum allergy adverse; P. digitatum allergen; P. digitatum allergen adverse

Nomenclature

ATCC website: Penicillium digitatum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium digitatum; Syn: Monilia digitata, Mucor cespitosus, Mucor digitata.

Parent Product

482 - Molds, Rusts and Smuts, Penicillium digitatum

Published Data

PMID 1586003 uses mixed penicillium species for diagnosis. No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 483 - Molds, Rusts and Smuts, Penicillium expansum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium expansum; Penicillium expansum allergy; penicillium glaucum; Penicillium crustaceum; euenicillium crustaceum
Google: Penicillium expansum allergy; P. expansum allergy adverse; P. expansum allergen; P. expansum allergen adverse

Nomenclature

ATCC website: Penicillium expansum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium expansum; Syn: Penicillium crustaceum, Penicillium glaucum.

Parent Product

483 - Molds, Rusts and Smuts, Penicillium expansum

Published Data

One paper addresses hypersensitivity pneumonitis (PMID 8039026).

Sole recent paper (PMID 1586003) used mixed Penicillium extract; two of the five extracts were P. glaucum and P. expansum.

A single case report found in the Panel I report (Ref 27, pg 3203) focused on asthma precipitated by P. glaucum, demonstrated by skin test, passive transfer tests, and inhalational challenge.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
483_ Clin Exp Allergy 24-383.pdf	8039026	Park, H.S.	1994

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 484 - Molds, Rusts and Smuts, Penicillium funiculosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium funiculosum; Penicillium funiculosum and allergy; synonyms

Google: Penicillium funiculosum allergy; P. funiculosum allergy adverse; P. funiculosum allergen; P. funiculosum allergen adverse

Nomenclature

ATCC website: Penicillium funiculosum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium funiculosum; Syn: Penicillium aurantiacum, Penicillium rubicundum, Penicillium varians.

Parent Product

484 - Molds, Rusts and Smuts, Penicillium funiculosum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 485 - Molds, Rusts and Smuts, Penicillium glaucum

Recommended Scientific Name Penicillium expansum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium expansum; Penicillium expansum allergy; penicillium glaucum; Penicillium crustaceum; euenicillium crustaceum

Google: penicillium glaucum allergy; P. glaucum allergy adverse; P. glaucum allergen; P. glaucum allergen adverse

Nomenclature

ATCC website: Penicillium expansum. Stedmans Book (ATCC Fungus Names, 1993): Penicillium glaucum. Index Fungorum website: Penicillium expansum; Syn: Penicillium crustaceum, Penicillium glaucum.

Parent Product

485 - Molds, Rusts and Smuts, Penicillium glaucum

Related Products

486 - Molds, Rusts and Smuts, Penicillium glaucus

Published Data

One paper addresses hypersensitivity pneumonitis (PMID 8039026).

Sole recent paper (PMID 1586003) used mixed Penicillium extract. Two of the five extracts were P. glaucum and P. expansum.

A single case report found in the Panel I report (Ref 27, pg 3203) focused on asthma precipitated by P. glaucum, demonstrated by skin test, passive transfer test, and inhalational challenge.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
483_ Clin Exp Allergy 24-383.pdf	8039026	Park, H.S.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 486 - Molds, Rusts and Smuts, Penicillium glaucus

Recommended Scientific Name Penicillium expansum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium expansum; Penicillium expansum allergy; penicillium glaucum; Penicillium crustaceum; euenicillium crustaceum
Google: Penicillium glaucus allergy; P. glaucus allergy adverse; P. glaucus allergen; P. glaucus allergen adverse

Nomenclature

ATCC website: Penicillium expansum. Stedmans Book (ATCC Fungus Names, 1993): Penicillium glaucum. Index Fungorum website: Penicillium expansum; Syn: Penicillium crustaceum, Penicillium glaucum.

Parent Product

485 - Molds, Rusts and Smuts, Penicillium glaucum

Related Products

486 - Molds, Rusts and Smuts, Penicillium glaucus

Published Data

One paper addresses hypersensitivity pneumonitis (PMID 8039026).

Sole recent paper (PMID 1586003) used mixed Penicillium extract. Two of the five extracts were P. glaucum and P. expansum.

A single case report found in the Panel I report (Ref 27, pg 3203) focused on asthma precipitated by P. glaucum, demonstrated by skin test, passive transfer test, and inhalational challenge.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
483_ Clin Exp Allergy 24-383.pdf	8039026	Park, H.S.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 487 - Molds, Rusts and Smuts, Penicillium intricatum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium intricatum

ISI search: Penicillium intricatum

Google: Penicillium intricatum allergy; P. intricatum allergy adverse; P. intricatum allergen; P. intricatum allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium intricatum.

Parent Product

487 - Molds, Rusts and Smuts, Penicillium intricatum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 488 - Molds, Rusts and Smuts, Penicillium italicum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium italicum; Penicillium italicum and allergy

Google: Penicillium italicum allergy; P. italicum allergy adverse; P. italicum allergen; P. italicum allergen adverse

Nomenclature

ATCC website: Penicillium italicum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium italicum.

Parent Product

488 - Molds, Rusts and Smuts, Penicillium italicum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 489 - Molds, Rusts and Smuts, Penicillium janthinellum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium janthinellum; Penicillium janthinellum and immunotherapy OR allergy OR asthma OR rhinitis OR sinusitis OR skin tests; Penicillium simplicissimum; Penicillium simplicissimum and immunotherapy OR allergy OR asthma OR rhinitis OR sinusitis OR skin tests; synonyms

Google: Penicillium janthinellum allergy; P. janthinellum allergy adverse; P. janthinellum allergen; P. janthinellum allergen adverse

Nomenclature

ATCC website: Penicillium janthinellum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium simplicissimum; Syn: Penicillium cieglerei Penicillium cremeogriseum Penicillium echinulonalgiovense Penicillium janthinellum Penicillium kabunicum Penicillium ochrochloron Penicillium paraherquei.

Parent Product

489 - Molds, Rusts and Smuts, Penicillium janthinellum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 490 - Molds, Rusts and Smuts, Penicillium luteum

Recommended Scientific Name Talaromyces luteus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed and ISI: Penicillium luteum; Talaromyces luteus; Gymnoascus luteus

Google: Penicillium luteum allergy; P. luteum allergy adverse; P. luteum allergen; P. luteum allergen adverse

Nomenclature

ATCC website: Talaromyces luteus. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Talaromyces luteus; Syn: Gymnoascus luteus, Penicillium luteum.

Parent Product

490 - Molds, Rusts and Smuts, Penicillium luteum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 491 - Molds, Rusts and Smuts, Penicillium notatum

Recommended Scientific Name Penicillium chrysogenum

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Penicillium notatum; Penicillium notatum and immunotherapy OR allergy OR asthma OR rhinitis OR sinusitis OR skin tests

Google: Penicillium notatum allergy; P. notatum allergy adverse; P. notatum allergen; P. notatum allergen adverse

Nomenclature

ATCC website: Penicillium chrysogenum. Stedmans Book (ATCC Fungus Names, 1993): Penicillium chrysogenum; Syn: Penicillium aromaticum, Penicillium camerunense, Penicillium chrysogenum, Penicillium harmonense, Penicillium meleagrinum, Penicillium notatum, P. rubens, P. flavidomarginatum, P. chlorphaeum. Index Fungorum website: Penicillium chrysogenum.

Parent Product

481 - Molds, Rusts and Smuts, Penicillium chrysogenum

Related Products

491 - Molds, Rusts and Smuts, Penicillium notatum

Published Data

Skin test surveys: 29% of allergy patients in Toronto (PMID 3349592); 2% of 130 patients (PMID 3993865); 7% of 44 patients (PMID 2438068); 68% of 100 patients (PMID 2256573); 4/15 HIV+ patients (PMID 10480590); 32% of 127 asthmatics (mixture; PMID 1586003); RAST/IgE survey: 7.3% of 137 patients (PMID 11678856); Specific allergens identified in PMID 14510716, 12602675, 10694469. Associations between histamine release test to P. chrysogenum and building related symptoms (PMID 11392611).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ Allergy 40-108.pdf	3993865	Malling, H.J.	1985
433_ Clin Allergy 17-127.pdf	2438068	O'Neill, C.E.	1987
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
398_ Ann Allergy 83-153.pdf	10480590	Nissen, D.	1999
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
481_ Allergy 58-993.pdf	14510716	Shen, H.D.	2003
481_ Ann Allergy 90-248.pdf	12602675	Chou, H.	2003
481_ BBRC 269-14.pdf	10694469	Chow, L.P.	2000
481_ Clin Exp Allergy 31-1564.pdf	11678856	Nolles, G.	2001
481_ Inflamm Res 50-227.pdf	11392611	Lander, F.	2001

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 492 - Molds, Rusts and Smuts, Penicillium oxalicum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium oxalicum

Google: Penicillium oxalicum allergy; P. oxalicum allergy adverse; P. oxalicum allergen; P. oxalicum allergen adverse

Nomenclature

ATCC website: Penicillium oxalicum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium oxalicum.

Parent Product

492 - Molds, Rusts and Smuts, Penicillium oxalicum

Published Data

One paper reported on the detection of IgE allergens in P. oxalicum and P. notatum by immunoblot (PMID 14604308). Another paper identified the vascular serine protease, Pen o 18, as the major allergen of P. oxalicum (PMID 11174468). No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
492_J Chin Med Assoc 66-453.pdf	14604308	Tang, R.B.	2003
492_J Lab Clin Med 137-115.pdf	11174468	Shen, H.D.	2001

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 493 - Molds, Rusts and Smuts, Penicillium roqueforti

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: penicillium roqueforti and allergy; Penicillium conservandi; Penicillium gorgonzola

Google: Penicillium roqueforti allergy; P. roqueforti allergy adverse; P. roqueforti allergen; P. roqueforti allergen adverse

Nomenclature

ATCC website: Penicillium roqueforti. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium roqueforti; Syn: Penicillium conservandi, Penicillium gorgonzola.

Parent Product

493 - Molds, Rusts and Smuts, Penicillium roqueforti

Published Data

One case report described the hypersensitivity pneumonitis of a cheese worker, no skin testing was performed (PMID 6838056); positive skin test in 29% of 30 Toronto allergy patients (PMID 3349592).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988
493_ ARRD 127-495.pdf	6838056	Campbell, J.A.	1983

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 494 - Molds, Rusts and Smuts, Penicillium roseo-purpureum

Recommended Scientific Name Penicillium carminoviolaceum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: P. roseopurpureum; P. vaccaeorum

Google: Penicillium roseopurpureum allergy; P. roseopurpureum allergy adverse; P. roseopurpureum allergen; P. roseopurpureum allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium carminoviolaceum. MycoBank website: Penicillium carminoviolaceum; Syn: Penicillium roseopurpureum

Parent Product

480 - Molds, Rusts and Smuts, Penicillium carmino-violaceum

Related Products

494 - Molds, Rusts and Smuts, Penicillium roseo-purpureum

Published Data

One paper characterizes a monoclonal antibody (P40) prepared against the 68 kD major allergen protein from P. notatum. This paper indicates that the monoclonal antibody also recognizes P. roseopurpureum (PMID 1377093).

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
494_Clin Exp Allergy 22-485.pdf	1377093	Shen, H.D.	1992

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 495 - Molds, Rusts and Smuts, Penicillium roseum

Recommended Scientific Name Clonostachys rosea

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium roseum; Gliocladium roseum
Google: Penicillium roseum allergy; P. roseum allergy adverse; P. roseum allergen; P. roseum allergen adverse

Nomenclature

ATCC website: Clonostachys rosea. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Clonostachys rosea; Syn: Clonostachys araucaria, Gliocladium aureum, Gliocladium roseum, Haplotrichum roseum, Penicillium roseum.

Parent Product

495 - Molds, Rusts and Smuts, Penicillium roseum

Published Data

Sole reference (PMID 1586003) is for skin testing used a mixture of 5 penicillium species.
No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 496 - Molds, Rusts and Smuts, Penicillium rubrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: P rubrum; P rubrum allergy; Penicillium purpurogenum; Penicillium purpurogenum allergy; P crateriforme

Google: Penicillium rubrum allergy; P. rubrum allergy adverse; P. rubrum allergen; P. rubrum allergen adverse

Nomenclature

ATCC website: Not listed. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Penicillium rubrum.

Parent Product

496 - Molds, Rusts and Smuts, Penicillium rubrum

Published Data

Positive skin test in 21% of 30 Toronto allergy patients (PMID 3349592).

Panel I (pg 3203) cited studies (Refs. 14 and 15) by Pennington (1940-1941). In the first study a single patient had positive skin tests and positive mucosal challenge; whereas the other paper 60 of 160 patients had positive skin test reactions to P. rubrum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 497 - Molds, Rusts and Smuts, Penicillium spp.

Recommended Scientific Name Penicillium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium; Penicillium allergy

Google: Penicillium allergy; Penicillium allergy adverse; Penicillium allergen; Penicillium allergen adverse

Nomenclature

The species was not identified.

Parent Product

497 - Molds, Rusts and Smuts, Penicillium spp.

Published Data

One paper reports on two Penicillium sp. preparations included in antigen panel to test Finnish sera, no skin testing was performed (PMID 421335).

In another paper, a mixture of five species of Penicillium were used to perform skin testing (PMID 1586003).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 498 - Molds, Rusts and Smuts, Penicillium vermiculatum

Recommended Scientific Name Talaromyces flavus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Penicillium vermiculatum; Penicillium vermiculatum allergy; Talaromyces flavus; Talaromyces flavus allergy; Eupenicillium vermiculatum; Talaromyces vermiculatus

Google: Penicillium vermiculatum allergy; P. vermiculatum allergy adverse; P. vermiculatum allergen; P. vermiculatum allergen adverse

Nomenclature

ATCC website: Talaromyces flavus. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Talaromyces flavus; Syn: Eupenicillium vermiculatum, Gymnoascus flavus, Penicillium dangeardii, Penicillium vermiculatum.

Parent Product

498 - Molds, Rusts and Smuts, Penicillium vermiculatum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 499 - Molds, Rusts and Smuts, Phoma betae

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Phoma betae; synonyms

Google: Phoma betae allergy; Phoma betae allergy adverse; Phoma betae allergen; Phoma betae allergen adverse

Nomenclature

ATCC website: Phoma betae. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Pleospora betae; Syn: Phoma spinaciae, Phoma tabifica, Phyllosticta betae, Phyllosticta spinaciae, Phyllosticta tabifica, Pleospora bjoerlingii.

Parent Product

499 - Molds, Rusts and Smuts, Phoma betae

Published Data

(PMID 8059675) A single report from Turkey, very few (6.1%) of allergy/asthma patients had weak positive skin test (≤ 5 mm) to Phoma betea.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
499_ Allergol et immunopathol 22-52.pdf	8059675	Güneser, S.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 500 - Molds, Rusts and Smuts, Phoma destructiva

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Phoma destructiva; Diplodina destructiva

Google: Phoma destructiva allergy; Phoma destructiva allergy adverse; Phoma destructiva allergen; Phoma destructiva allergen adverse

Nomenclature

ATCC website: Phoma destructiva. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Boeremia exigua; Syn: Ascochyta hydrangeae, Ascochyta nicotianae, Ascochyta phaseolorum, Phoma exigua, Phoma herbarum, Phoma solanicola, Phomopsis perexigua, Phyllosticta hydrangeae, Phyllosticta sambuci.

Parent Product

500 - Molds, Rusts and Smuts, Phoma destructiva

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 501 - Molds, Rusts and Smuts, Phoma herbarum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Phoma herbarum; synonyms

Google: Phoma herbarum allergy; Phoma herbarum allergy adverse; Phoma herbarum allergen; Phoma herbarum allergen adverse

Nomenclature

ATCC website: Phoma herbarum. Stedmans Book (ATCC Fungus Names, 1993): Phoma herbarum; Syn: Aposphaeria violacea, P. charticola, P. exigua, P. lignicola, P. hibernica, P. oleracea, P. pigmentivora, P. violacea, Phyllosticta ruscigena. Index Fungorum website: Phoma herbarum.

Parent Product

501 - Molds, Rusts and Smuts, Phoma herbarum

Related Products

502 - Molds, Rusts and Smuts, Phoma hibernica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 502 - Molds, Rusts and Smuts, Phoma hibernica

Recommended Scientific Name Phoma herbarum

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Phoma hibernica
Google: Phoma hibernica allergy; Phoma hibernica allergy adverse; Phoma hibernica allergen; Phoma hibernica allergen adverse

Nomenclature

ATCC website: Phoma herbarum. Stedmans Book (ATCC Fungus Names, 1993): Phoma herbarum; Syn: Aposphaeria violacea, P. charticola, P. exigua, P. lignicola, P. hibernica, P. oleracea, P. pigmentivora, P. violacea, Phyllosticta ruscigena. Index Fungorum website: Phoma herbarum.

Parent Product

501 - Molds, Rusts and Smuts, Phoma herbarum

Related Products

502 - Molds, Rusts and Smuts, Phoma hibernica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 503 - Molds, Rusts and Smuts, Phoma sp.

Recommended Scientific Name Phoma, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

503 - Molds, Rusts and Smuts, Phoma sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 504 - Molds, Rusts and Smuts, Phycomyces blakesleeanus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Phycomyces blakesleeanus; Phycomyces blakesleeanus and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen

Google: Phycomyces blakesleeanus allergy; Phycomyces blakesleeanus allergy adverse; Phycomyces blakesleeanus allergen; Phycomyces blakesleeanus allergen adverse

Nomenclature

ATCC website: Phycomyces blakesleeanus. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Phycomyces blakesleeanus.

Parent Product

504 - Molds, Rusts and Smuts, Phycomyces blakesleeanus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 505 - Molds, Rusts and Smuts, Pleospora herbarum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Pleospora herbarum; synonyms

Google: Pleospora herbarum allergy; Pleospora herbarum allergy adverse; Pleospora herbarum allergen; Pleospora herbarum allergen adverse

Nomenclature

ATCC website: Pleospora herbarum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Pleospora herbarum.

Parent Product

505 - Molds, Rusts and Smuts, Pleospora herbarum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 506 - Molds, Rusts and Smuts, Pullularia pullulans

Recommended Scientific Name Aureobasidium pullulans

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: P. pullulans; A. pullulans; A. pullulans and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; Aureobasidium pullulans; Aureobasidium pullulans allergy; Aureobasidium pullulans asthma; Aureobasidium pullulans allergen; A. oleae; A. vitis; Azymocandida malicola; Candida malicola; Cladosporium pullulans; Dematium pullulans; Exobasidium vitis; Hormiscium oleae; Hormonema pullulans; Pullularia fermentans; Pullularia pullulans; Pullularia pullulans allergy; Pullularia pullulans asthma; Pullularia pullulans allergen; Pullularia pullulans antigen; Torula oleae; Torula schoenii
Google: Pullularia pullulans allergy; P. pullulans allergy adverse; P. pullulans allergen; P. pullulans allergen adverse

Nomenclature

ATCC website: Aureobasidium pullulans. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Aureobasidium pullulans; Syn: Aureobasidium oleae, Aureobasidium pullulans, Aureobasidium vitis, Azymocandida malicola, Candida hordei, Candida malicola, Cladosporium pullulans, Dematium pullulans, Exobasidium vitis, Hormiscium oleae, Hormonema pullulans, Monilia fusca, Pullularia fermentans, Pullularia pullulans, Torula oleae, Torula schoenii.

Parent Product

506 - Molds, Rusts and Smuts, Pullularia pullulans

Published Data

A specific review (Ripe in Acta Allergologica, 21:370-413, 1966) of Pullularia pullulans is found in Panel I report (pg 3204.) This review includes nasal and bronchial provocation correlations with skin tests.

Single paper (PMID 16276113) reports on allergy and asthma patients who are skin test positive (16 out of 94 or 17% positive) to A. pullulans and have IgE reactivity.

In a survey (PMID 2256573), over 60% of asthma and allergic rhinitis patients were positive to P. pullulans.

In PMID 1586003, 28 out of 111 asthma patients or 25% were skin test positive to P. pullulans.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990
404_ Ann Allergy 68-395.pdf	1586003	Sue, M.A.	1992
388_ IAAI 139-45.pdf	16276113	Taylor, P.E.	2006

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 507 - Molds, Rusts and Smuts, Rhizopus arrhizus

Recommended Scientific Name Rhizopus oryzae

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: R. arryzus; R. arryzus and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; R. oryzae R. oryzae and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen
Google: Rhizopus arrhizus allergy; R. arrhizus allergy adverse; R. arrhizus allergen; R. arrhizus allergen adverse

Nomenclature

ATCC website: Rhizopus oryzae. Stedmans Book (ATCC Fungus Names, 1993): Rhizopus oryzae; Syn: Mucor norvegicus, many Rhizopus sp. Index Fungorum website: Rhizopus arrhizus; Syn: Amylomyces rouxii, Chlamydomucor javanicus, Chlamydomucor oryzae, Chlamydomucor rouxii, Mucor arrhizus, Mucor cambodja, Mucor nodosus, Mucor norvegicus Mucor rouxianus, Mucor rouxii, Rhizopus acetoinus, Rhizopus achlamydosporus, Rhizopus albus, Rhizopus angulisporus, Rhizopus arrhizus, Rhizopus bahrnensis, Rhizopus batatas, Rhizopus betivorus, Rhizopus boreas, Rhizopus cambodja, Rhizopus chinensis, Rhizopus chiuniang, Rhizopus chlamydosporus, Rhizopus Rhizopus delemar, Rhizopus formosaensis, Rhizopus fusiformis, Rhizopus hangchow, Rhizopus humilis, Rhizopus japonicus, Rhizopus javanicus, Rhizopus kasanensis, Rhizopus konsho, Rhizopus liquifaciens, Rhizopus maydis, Rhizopus microsporus, Rhizopus mochi, Rhizopus nigricans, Rhizopus nodosus, Rhizopus norvegicus, Rhizopus oryzae, Rhizopus peka, Rhizopus pseudochinensis, Rhizopus salebrosus, Rhizopus schizans, Rhizopus semarangensis, Rhizopus shanghaiensis, Rhizopus sontii, Rhizopus suinus, Rhizopus tanekoji, Rhizopus thermosus, Rhizopus tritici, Rhizopus trubini, Rhizopus usamii.

Parent Product

509 - Molds, Rusts and Smuts, Rhizopus oryzae

Related Products

- 507 - Molds, Rusts and Smuts, Rhizopus arrhizus
- 508 - Molds, Rusts and Smuts, Rhizopus nigricans

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 508 - Molds, Rusts and Smuts, Rhizopus nigricans

Recommended Scientific Name Rhizopus oryzae

Manufacturers of this Product

- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mucor mucedo; Rhizopus stolonifer; Mucor stolonifer; Rhizopus stolonifer; Rhizopus nigricans, other synonyms
Google: Rhizopus nigricans allergy; R. nigricans allergy adverse; R. nigricans allergen; R. nigricans allergen adverse

Nomenclature

ATCC website: Rhizopus oryzae. Stedmans Book (ATCC Fungus Names, 1993): Rhizopus oryzae; Syn: Mucor norvegicus, many Rhizopus sp. Index Fungorum website: Rhizopus arrhizus; Syn: Amylomyces rouxii, Chlamydomucor javanicus, Chlamydomucor oryzae, Chlamydomucor rouxii, Mucor arrhizus, Mucor cambodja, Mucor nodosus, Mucor norvegicus Mucor rouxianus, Mucor rouxii, Rhizopus acetoinus, Rhizopus achlamydosporus, Rhizopus albus, Rhizopus angulisporus, Rhizopus arrhizus, Rhizopus bahrnensis, Rhizopus batatas, Rhizopus betivorus, Rhizopus boreas, Rhizopus cambodja, Rhizopus chinensis, Rhizopus chiuniang, Rhizopus chlamydosporus, Rhizopus Rhizopus delemar, Rhizopus formosaensis, Rhizopus fusiformis, Rhizopus hangchow, Rhizopus humilis, Rhizopus japonicus, Rhizopus javanicus, Rhizopus kasanensis, Rhizopus konsho, Rhizopus liquifaciens, Rhizopus maydis, Rhizopus microsporus, Rhizopus mochi, Rhizopus nigricans, Rhizopus nodosus, Rhizopus norvegicus, Rhizopus oryzae, Rhizopus peka, Rhizopus pseudochinensis, Rhizopus salebrosus, Rhizopus schizans, Rhizopus semarangensis, Rhizopus shanghaiensis, Rhizopus sontii, Rhizopus suinus, Rhizopus tanekoji, Rhizopus thermosus, Rhizopus tritici, Rhizopus trubini, Rhizopus usamii.

Parent Product

509 - Molds, Rusts and Smuts, Rhizopus oryzae

Related Products

- 507 - Molds, Rusts and Smuts, Rhizopus arrhizus
- 508 - Molds, Rusts and Smuts, Rhizopus nigricans

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 509 - Molds, Rusts and Smuts, Rhizopus oryzae

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: R. arryzus; R. arryzus and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; R. oryzae; R. oryzae and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen

Google: Rhizopus oryzae allergy; R. oryzae allergy adverse; R. oryzae allergen; R. oryzae allergen adverse

Nomenclature

ATCC website: Rhizopus oryzae. Stedmans Book (ATCC Fungus Names, 1993): Rhizopus oryzae; Syn: Mucor norvegicus, many Rhizopus sp. Index Fungorum website: Rhizopus arrhizus; Syn: Amylomyces rouxii, Chlamydomucor javanicus, Chlamydomucor oryzae, Chlamydomucor rouxii, Mucor arrhizus, Mucor cambodja, Mucor nodosus, Mucor norvegicus Mucor rouxianus, Mucor rouxii, Rhizopus acetoinus, Rhizopus achlamydosporus, Rhizopus albus, Rhizopus angulisporus, Rhizopus arrhizus, Rhizopus bahrnensis, Rhizopus batatas, Rhizopus betivorus, Rhizopus boreas, Rhizopus cambodja, Rhizopus chinensis, Rhizopus chiuniang, Rhizopus chlamydosporus, Rhizopus Rhizopus delemar, Rhizopus formosaensis, Rhizopus fusiformis, Rhizopus hangchow, Rhizopus humilis, Rhizopus japonicus, Rhizopus javanicus, Rhizopus kasanensis, Rhizopus konsho, Rhizopus liquifaciens, Rhizopus maydis, Rhizopus microsporus, Rhizopus mochi, Rhizopus nigricans, Rhizopus nodosus, Rhizopus norvegicus, Rhizopus oryzae, Rhizopus peka, Rhizopus pseudochinensis, Rhizopus salebrosus, Rhizopus schizans, Rhizopus semarangensis, Rhizopus shanghaiensis, Rhizopus sontii, Rhizopus suinus, Rhizopus tanekoji, Rhizopus thermosus, Rhizopus tritici, Rhizopus trubini, Rhizopus usamii.

Parent Product

509 - Molds, Rusts and Smuts, Rhizopus oryzae

Related Products

507 - Molds, Rusts and Smuts, Rhizopus arrhizus

508 - Molds, Rusts and Smuts, Rhizopus nigricans

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 510 - Molds, Rusts and Smuts, Rhizopus stolonifer

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: mucor mucedo; Rhizopus stolonifer; Mucor stolonifer; Rhizopus stolonifer; Rhizopus nigricans; other synonyms

Google: Rhizopus stolonifer allergy; R. stolonifer allergy adverse; R. stolonifer allergen; R. stolonifer allergen adverse

Nomenclature

ATCC website: Rhizopus stolonifer. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Rhizopus stolonifer. Syn: Ascophora mucedo, Mucor artocarpi, Mucor ascophorus, Mucor mucedo, Mucor stolonifer, Rhizopus artocarpi, Rhizopus nigricans.

Parent Product

510 - Molds, Rusts and Smuts, Rhizopus stolonifer

Published Data

A single veterinary study (PMID 7507274) suggesting a role for M. mucedo (synonym of R. stolonifer) in equine chronic obstructive pulmonary disease (COPD) and a study (PMID 589785) of the incidence of M. mucedo in the sputum of Scottish maltworkers (48%) and seropositivity by prick test was (3%), but was NOT prevalent among those with alveolitis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
461_ Vet Immunol Immunopathol 38-217.pdf	7507274	Dirscherl, P.	1993
460_ Clin Allergy 7-549.pdf	589785	Blyth, W.	1977

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 511 - Molds, Rusts and Smuts, Rhodotorula mucilaginosa

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Rhodotorula mucilaginosa; synonyms

Google: Rhodotorula mucilaginosa allergy; R. mucilaginosa allergy adverse; R. mucilaginosa allergen; R. mucilaginosa allergen adverse

Nomenclature

ATCC website: Rhodotorula mucilaginosa. Stedmans Book (ATCC Fungus Names, 1993): Rhodotorula mucilaginosa. Index Fungorum website: Rhodotorula mucilaginosa; Syn: Blastodendron carbonei, Blastodendron simplex, Cryptococcus dubius, Cryptococcus pulmonalis, Cryptococcus ruber, Eutorula sanguinea, Geotrichum pulmonale, Mycotorula cisnerosi, Mycotorula pulmonalis, Rhodotorula pulmonalis, Rhodotorula rubra, Rhodotorula simplex, Saccharomyces glutinis, Saccharomyces rubber, Torula mucilaginosa, Torula sanguinea, Torulopsis sanguinea.

Parent Product

511 - Molds, Rusts and Smuts, Rhodotorula mucilaginosa

Related Products

512 - Molds, Rusts and Smuts, Rhodotorula rubra

Published Data

PMID 9636810, Thirteen out of 20 atopic patients had positive skin tests to R. rubra (synonym of R. mucilaginosa) and 8 patients had specific IgE.

PMID 16364170, R. rubra is a common bedding contaminant in the United Kingdom.

PMID 16179794, IgE to Rho m 2 was detected in 57% of R. mucilaginosa positive atopics patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
511_ Allergy 53-506.pdf	9636810	Savolainen, J.	1998
511_ Allergy 61-140.pdf	16364170	Woodcock, A.A.	2006
511_ IAAI 138-134.pdf	16179794	Chou, H.	2005

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 512 - Molds, Rusts and Smuts, Rhodotorula rubra

Recommended Scientific Name Rhodotorula mucilaginosa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Rhodotorula mucilaginosa; synonyms

Google: Rhodotorula rubra allergy; R. rubra allergy adverse; R. rubra allergen; R. rubra allergen adverse

Nomenclature

ATCC website: Rhodotorula mucilaginosa. Stedmans Book (ATCC Fungus Names, 1993): Rhodotorula mucilaginosa. Index Fungorum website: Rhodotorula mucilaginosa; Syn: Blastodendrion carbonei, Blastodendrion simplex, Cryptococcus dubius, Cryptococcus pulmonalis, Cryptococcus ruber, Eutorula sanguinea, Geotrichum pulmonale, Mycotorula cisnerosi, Mycotorula pulmonalis, Rhodotorula pulmonalis, Rhodotorula rubra, Rhodotorula simplex, Saccharomyces glutinis, Saccharomyces rubber, Torula mucilaginosa, Torula sanguinea, Torulopsis sanguinea.

Parent Product

511 - Molds, Rusts and Smuts, Rhodotorula mucilaginosa

Related Products

512 - Molds, Rusts and Smuts, Rhodotorula rubra

Published Data

PMID 9636810, Thirteen out of 20 atopic patients had positive skin tests to R. rubra (synonym of R. mucilaginosa) and 8 patients had specific IgE.

PMID 16364170, R. rubra is a common bedding contaminant in the United Kingdom.

PMID 16179794, IgE to Rho m 2 was detected in 57% of R. mucilaginosa positive atopic patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
511_ Allergy 53-506.pdf	9636810	Savolainen, J.	1998
511_ Allergy 61-140.pdf	16364170	Woodcock, A.A.	2006
511_ IAAI 138-134.pdf	16179794	Chou, H.	2005

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 513 - Molds, Rusts and Smuts, Rhodotorula sp.

Recommended Scientific Name Rhodotorula, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

513 - Molds, Rusts and Smuts, Rhodotorula sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 514 - Molds, Rusts and Smuts, *Saccharomyces cerevisiae*

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: *Saccharomyces cerevisiae*; *Saccharomyces cerevisiae* +and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen

Google: *Saccharomyces cerevisiae* allergy; *S. cerevisiae* allergy adverse; *S. cerevisiae* allergen; *S. cerevisiae* allergen adverse

Nomenclature

ATCC website:*Saccharomyces cerevisiae*. Stedmans Book (ATCC Fungus Names, 1993): *Saccharomyces cerevisiae* Index Fungorum website: *Saccharomyces cerevisiae*; Syn: *Candida robusta*, *Mycotorula robusta*, *S. aceti*, *S. acidosaccharophilii*, *S. anamensis*, *S. annulatus*, *S. batatas*, *S. beticus*, *S. boulardii*, *S. brasiliensis*, *S. busae-asiaticae*, *S. busae-auricae*, *S. capensis*, *S. carbajalii*, *S. carlsbergensis*, *S. cordubensis*, *S. coreanus*, *S. cratericus*, *S. diastaticus*, *S. ellipsoideus*, *S. elongates*, *S. eriobotryae*, *S. formosensis*, *S. fructuum*, *S. gaditensis*, *S. hienipiensis*, *S. hispalenses*, *S. hispanica*, *S. hutensis*, *S. ilicis*, *S. intermedius*, *S. italicus*, *S. lindneri*, *S. logos*, *S. mandshuricus*, *S. manginii*, *S. marchalianus*, *S. melibiosi*, *S. multispurus*, *S. norbensis*, *S. odessa*, *S. oleaceus*, *S. oleaginosus*, *S. onubensis*, *S. oviformis*, *S. oxidans*, *S. pastorianus*, *S. peka*, *S. praecisus*, *S. prostoserodovii*, *S. pulmonalis*, *S. robustus*, *S. sake*, *S. shaoshing*, *S. steineri*, *S. thermantitonum*, *S. tokyo*, *S. turbidans*, *S. uvarum*, *S. valesiacus*, *S. validus*, *S. veronae*, *S. vini*, *S. vordermanii*, *S. wildiersii*, *S. willianus*, *S. yedo*, *Saccharomyces beticus*.

Parent Product

514 - Molds, Rusts and Smuts, *Saccharomyces cerevisiae*

Published Data

PMID 8506979 reported atopic dermatitis patients had positive skin prick test to *S. cerevisiae*. It is unknown whether extract or yeast was used to perform testing.

PMID 9636810, Eleven out of 20 patients were skin test positive and 4 out of 20 had positive immunoblots in atopics to *S. cerevisiae* extract.

PMID 3292441, Thirty-two out of 47 RAST positive patients for fungal atopics were skin prick test positive for *S. cerevisiae*. RAST inhibition experiments demonstrated allergic cross-reactivity between bakers' yeast, bakers' yeast encolase, and *Candida albicans*.

PMID 8568127, A case report of a single baker with occupational asthma and rhinitis who was skin tested positive wet and dry extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
511_ Allergy 53-506.pdf	9636810	Savolainen, J.	1998
514_ Allergy 48-147.pdf	8506979	Kortekangas-Savolain	1993
514_ IAAAI 86-201.pdf	3292441	Baldo, B.A.	1988
514_ JACI 97-131.pdf	8568127	Belchi-Hernandez, J.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 515 - Molds, Rusts and Smuts, Scopulariopsis brevicaulis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Scopulariopsis brevicaulis Scopulariopsis brevicaulis and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; synonyms

Google: Scopulariopsis brevicaulis allergy; S. brevicaulis allergy adverse; S. brevicaulis allergen; S. brevicaulis allergen adverse

Nomenclature

ATCC website: Scopulariopsis brevicaulis. Stedmans Book (ATCC Fungus Names, 1993): Scopulariopsis brevicaulis. Index

Fungorum website: Microascus brevicaulis; Syn: Penicillium brevicaule, Scopulariopsis brevicaulis.

Parent Product

515 - Molds, Rusts and Smuts, Scopulariopsis brevicaulis

Published Data

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 516 - Molds, Rusts and Smuts, Scopulariopsis spp.

Recommended Scientific Name Scopulariopsis, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

516 - Molds, Rusts and Smuts, Scopulariopsis spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 517 - Molds, Rusts and Smuts, Sorghum Smut Ustilago nuda

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ustilago nuda; synonyms

Google: Sorghum smut allergy; Sorghum smut allergy adverse; Sorghum smut allergen; Sorghum smut allergen adverse; same search results performed for Ustilago nuda

Nomenclature

ATCC website: Ustilago nuda; Syn: Arthrinium sp. deposited as Ustilago nuda. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago nuda. Syn: Ustilago segetum, Ustilago tritici

Parent Product

390 - Molds, Rusts and Smuts, Barley Smut, Loose Ustilago nuda

Related Products

517 - Molds, Rusts and Smuts, Sorghum Smut Ustilago nuda

542 - Molds, Rusts and Smuts, Wheat Smut, Loose Ustilago tritici

Published Data

No papers were found referencing U. nuda. The only Ustilago reports were about U. maydis (corn smut, PMID 1239229, 4037433, 2256573.) Ustilago was tested (but species not identified) in Greek patients in 231 (PMID. 15552717); the number that reacted was not specified, probably few to none. U. nuda is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. avenae is cited. In (PMID 4655464), U. avenae is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 518 - Molds, Rusts and Smuts, Spadicoides spp

Recommended Scientific Name Spadicoides, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

518 - Molds, Rusts and Smuts, Spadicoides spp

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 519 - Molds, Rusts and Smuts, Spondylocladium atrovirens

Recommended Scientific Name Helminthosporium solani

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Helminthosporium solani; synonyms

Google: Helminthosporium solani H. solani allergy; H. solani allergy adverse; H. solani allergen; H. solani allergen adverse; same search results performed for Spondylocladium atrovirens

Nomenclature

ATCC website: Helminthosporium solani; Syn:Colletotrichum atramentarium. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Helminthosporium solani; Syn: Brachysporium solani, Dematium atrovirens, Helminthosporium atrovirens, Spondylocladium atrovirens.

Parent Product

519 - Molds, Rusts and Smuts, Spondylocladium atrovirens

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category I	Category I

Product: 520 - Molds, Rusts and Smuts, Sporotrichum pruinosum

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Chrysosporium pruinosum; Sprotrichum pruinosum

Google: Sporotrichum pruinosum allergy; S. pruinosum allergy adverse; S. pruinosum allergen; S. pruinosum allergen adverse; same search results performed for Chrysosporium pruinosum

Nomenclature

ATCC website: Sporotrichum pruinosum; Syn: Phanerochaete chrysosporium, Chrysosporium pruinosum. Stedmans Book (ATCC Fungus Names, 1993): Sporotrichum pruinosum; Syn:Chrysosporium pruinosum, Emmonsia brasiliensis, Emmonsia ciferrina, Sporotrichum dehraduense, Sporotrichum pulverulentum. Index Fungorum website: Phanerodontia chrysosporium; Syn.: Chrysosporium pruinosum, Grandiniella chrysosporium, Phanerochaete chrysosporium, Sporotrichum pruinosum.

Parent Product

520 - Molds, Rusts and Smuts, Sporotrichum pruinosum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 521 - Molds, Rusts and Smuts, Stachybotrys atra

Recommended Scientific Name Stachybotrys chartarum

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: S. chartarum; S. chartarum and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; S. atra

Google: Stachybotrys atra allergy; S. atra allergy adverse; S. atra allergen; S. atra allergen adverse; same search results performed for Stachybotrys chartarum

Nomenclature

ATCC website: Stachybotrys chartarum; Syn: Stachybotrys atra, Stachybotrys cylindrospora, Stachybotrys microspora. Stedmans Book (ATCC Fungus Names, 1993): Stachybotrys chartarum; Syn: Aspergillus alternatus, memnonium sphaerospermum, Oidium chartarum, Oospora chartarum, Sporocybe lobulata, Stachybotrys alternans, Stachybotryasperula, Stachybotrys atra, Stachybotrys atrogrisea, Stachybotrys dakotensis, Stachybotrys elasticae, Stachybotrys gracilis, Stachybotrys lobulata, Stachybotrys pulchra, Stachybotrys scabra, Stachybotrys verrucosa, Stachybotrys voglinii, Stilbospora chartarum, Trichosporum effusum, Synsporium biguttatum. Index Fungorum website: Stachybotrys chartarum; Syn: Oospora chartarum, Stachybotrys atra, Stachybotrys atrogrisea, Stachybotrys lobulata, Stachybotrys scabra, Stilbospora chartarum.

Parent Product

522 - Molds, Rusts and Smuts, Stachybotrys chartarum

Related Products

521 - Molds, Rusts and Smuts, Stachybotrys atra

Published Data

A single report (PMID 3349592) was found in which 29% of mold allergic patients in Toronto had positive skin test to S. chartarum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_ Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 522 - Molds, Rusts and Smuts, Stachybotrys chartarum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: S. chartarum; S. chartarum and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; S. atra

Google: Stachybotrys chartarum allergy; S. chartarum allergy adverse; S. chartarum allergen; S. chartarum allergen adverse

Nomenclature

ATCC website: Stachybotrys chartarum; Syn: Stachybotrys atra, Stachybotrys cylindrospora, Stachybotrys microspora. Stedmans Book (ATCC Fungus Names, 1993): Stachybotrys chartarum; Syn: Aspergillus alternatus, memnonium sphaerospermum, Oidium chartarum, Oospora chartarum, Sporocybe lobulata, Stachybotrys alternans, Stachybotryasperula, Stachybotrys atra, Stachybotrys atrogrisea, Stachybotrys dakotensis, Stachybotrys elasticae, Stachybotrys gracilis, Stachybotrys lobulata, Stachybotrys pulchra, Stachybotrys scabra, Stachybotrys verrucosa, Stachybotrys voglinii, Stilbospora chartarum, Trichosporum effusum, Synsporium biguttatum. Index Fungorum website: Stachybotrys chartarum; Syn: Oospora chartarum, Stachybotrys atra, Stachybotrys atrogrisea, Stachybotrys lobulata, Stachybotrys scabra, Stilbospora chartarum.

Parent Product

522 - Molds, Rusts and Smuts, Stachybotrys chartarum

Related Products

521 - Molds, Rusts and Smuts, Stachybotrys atra

Published Data

A single report (PMID 3349592) was found in which 29% of mold allergic patients in Toronto had positive skin test to S. charatrum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
409_Clin Allergy 18-45.pdf	3349592	Tarlo, S.M.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 523 - Molds, Rusts and Smuts, Stemphylium botryosum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Stemphylium botryosum; Pleospora tarda

Google: Stemphylium botryosum allergy; S. botryosum allergy adverse; S. botryosum allergen; S. botryosum allergen adverse

Nomenclature

ATCC website: Stemphylium botryosum; Syn: Pleospora herbarum. Stedmans Book (ATCC Fungus Names, 1993): Not listed.

Index Fungorum website: Pleospora tarda; Syn: Stemphylium botryosum.

Parent Product

523 - Molds, Rusts and Smuts, Stemphylium botryosum

Published Data

The single publication (PMID 16466440) notes the presence of Alt a 1 cross-reactive protein in S. botryosum filtrates to U. botrytis, C. lunata, and A. tenuissima.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
505_ Mycoses 49-91.pdf	16466440	Sáenz-de-Santamaría,	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 524 - Molds, Rusts and Smuts, Stemphylium macrosporium

Recommended Scientific Name Stemphylium macrosporoideum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Stemphylium macrosporium

Google: Stemphylium macrosporium allergy; S. macrosporium allergy adverse; S. macrosporium allergen; S. macrosporium allergen adverse

Nomenclature

ATCC website: Stemphylium macrosporoideum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Monodictys castaneae; Syn: Acrospeira macrosporoidea, EPOCHNIUM macrosporoideum, Hyphelia castaneae, Stemphylium macrosporoideum.

Parent Product

524 - Molds, Rusts and Smuts, Stemphylium macrosporium

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 525 - Molds, Rusts and Smuts, Stemphylium sarciniforme

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and ISI: Stemphylium sarciniforme; Stemphylium sarcinaeforme; Stemphylium sarciniforme

Google: Stemphylium sarciniforme allergy; S. sarciniforme allergy adverse; S. sarciniforme allergen; S. sarciniforme allergen adverse

Nomenclature

ATCC website: Stemphylium sarciniforme. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Stemphylium sarciniforme; Syn: Macrosporium sarciniforme, Thyrospora sarciniforme.

Parent Product

525 - Molds, Rusts and Smuts, Stemphylium sarciniforme

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 526 - Molds, Rusts and Smuts, Stemphylium solani

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed and ISI: Stemphylium solani; Stemphylium solani

Google: Stemphylium solani allergy; S. solani allergy adverse; S. solani allergen; S. solani allergen adverse

Nomenclature

ATCC website: Stemphylium solani. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Stemphylium solani.

Parent Product

526 - Molds, Rusts and Smuts, Stemphylium solani

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 527 - Molds, Rusts and Smuts, Streptomyces griseus

Recommended Scientific Name genus and species to be specified

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Streptomyces griseus; Streptomyces griseus and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; Actinomyces griseus; Actinomyces griseus and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen

Google: Streptomyces griseus allergy; S. griseus allergy adverse; S. griseus allergen; S. griseus allergen adverse

Nomenclature

Streptomyces griseus was not found in Index Fungorum, ATCC website, or Stedmans Book (ATCC Fungus Names, 1993). The manufacturer must identify the correct scientific name.

Parent Product

527 - Molds, Rusts and Smuts, Streptomyces griseus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 528 - Molds, Rusts and Smuts, Streptomyces sp.

Recommended Scientific Name Streptomyces, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

528 - Molds, Rusts and Smuts, Streptomyces sp.

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
373_ Clin Allergy 9-43.pdf	421335	Terho, E.O.	1979
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 529 - Molds, Rusts and Smuts, Syncephalastrum racemosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Syncephalastrum racemosum; synonym

Google: Syncephalastrum racemosum allergy; S. racemosum allergy adverse; S. racemosum allergen; S. racemosum allergen adverse

Nomenclature

ATCC website: Syncephalastrum racemosum. Stedmans Book (ATCC Fungus Names, 1993): Syncephalastrum racemosum; Syn: Syncephalastrum elegans, Syncephalastrum javanicum, Syncephalastrum nigricans, Syncephalastrum verruculosum. Index Fungorum website: Syncephalastrum racemosum.

Parent Product

529 - Molds, Rusts and Smuts, Syncephalastrum racemosum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 530 - Molds, Rusts and Smuts, Tetracoccosporium paxianum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed and ISI: Tetracoccosporium was not listed

Google: none relevant

Nomenclature

ATCC website: Tetracoccosporium paxianum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Tetracoccosporium paxianum.

Parent Product

530 - Molds, Rusts and Smuts, Tetracoccosporium paxianum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 531 - Molds, Rusts and Smuts, Trichoderma harzianum

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Trichoderma harzianum; Trichoderma harzianum and modifiers; synonyms

Google: Trichoderma harzianum allergy; T. harzianum allergy adverse; T. harzianum allergen; T. harzianum allergen adverse

Nomenclature

ATCC website: Trichoderma harzianum; Syn: Trichoderma longibrachiatum, Trichoderma hamatum, Trichoderma parceramosum. Stedmans Book (ATCC Fungus Names, 1993): Trichoderma longibrachiatum. Index Fungorum website: Trichoderma harzianum; Syn: Sporotrichum narcissi, Trichoderma lignorum, Trichoderma narcissi.

Parent Product

531 - Molds, Rusts and Smuts, Trichoderma harzianum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 532 - Molds, Rusts and Smuts, Trichoderma lignorum

Recommended Scientific Name Trichoderma viride

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: T. lignorum; T. viride; T. viride and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; Pyrenium lignorum

Google: Trichoderma lignorum allergy; T. lignorum allergy adverse; T. lignorum allergen; T. lignorum allergen adverse

Nomenclature

ATCC website: Trichoderma viride; Syn: Trichoderma virens, Trichoderma reesei. Stedmans Book (ATCC Fungus Names, 1993): Trichoderma viride; Syn: Acrostalagmus, Pyreniopsis vulgaris, Pytenium lignorum, Sporoderma chlorogenum, Sporotrichum narcissi, Trichoglaucum, Trichoderma lignorum, Trichoderma narcissi, Trichoderma truncorum. Index Fungorum website: Trichoderma viride; Syn: Hypocrea contorta, Hypocrea rufa, Pyrenium lignorum, Sphaeria contorta, Sphaeria rufa, Trichoderma lignorum.

Parent Product

534 - Molds, Rusts and Smuts, Trichoderma viride

Related Products

532 - Molds, Rusts and Smuts, Trichoderma lignorum

Published Data

PMID 2256573, T. viride extract was used for diagnosis by skin prick test in asthma or rhinitis patients, 44% and 42% by group were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 533 - Molds, Rusts and Smuts, Trichoderma spp.

Recommended Scientific Name Trichoderma, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

The manufacturer must identify the species.

Parent Product

533 - Molds, Rusts and Smuts, Trichoderma spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 534 - Molds, Rusts and Smuts, Trichoderma viride

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: T. lignorum; T. viride; T. viride and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; Pyrenium lignorum

Google: Trichoderma viride allergy; T. viride allergy adverse; T. viride allergen; T. viride allergen adverse

Nomenclature

ATCC website: Trichoderma viride; Syn: Trichoderma virens, Trichoderma reesei. Stedmans Book (ATCC Fungus Names, 1993): Trichoderma viride; Syn: Acrostalagmus, Pyreniopsis vulgaris, Pytenium lignorum, Sporoderma chlorogenum, Sporotrichum narcissi, Trichoglaucum, Trichoderma lignorum, Trichoderma narcissi, Trichoderma truncorum. Index Fungorum website: Trichoderma viride; Syn: Hypocrea contorta, Hypocrea rufa, Pyrenium lignorum, Sphaeria contorta, Sphaeria rufa, Trichoderma lignorum.

Parent Product

534 - Molds, Rusts and Smuts, Trichoderma viride

Related Products

532 - Molds, Rusts and Smuts, Trichoderma lignorum

Published Data

PMID 2256573, T. viride extract was used for diagnosis by skin prick test in asthma or rhinitis patients, 44% and 42% by group were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 535 - Molds, Rusts and Smuts, Trichophyton mentagrophytes

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Trichophyton mentagrophytes and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen; Arthroderma benhamiae
Google: Trichophyton mentagrophytes allergy; T. mentagrophytes allergy adverse; T. mentagrophytes allergen; T. mentagrophytes allergen adverse

Nomenclature

ATCC website: Trichophyton mentagrophytes. Stedmans Book (ATCC Fungus Names, 1993): Trichophyton mentagrophytes; Syn: Achorion quinckeanum, Arthroderma vanbreuseghemii, Microsporum mentagrophytes, Trichophyton asteroides, Trichophyton "C", Trichophyton denticulatum, Trichophyton farinulentum, Trichophyton felineum, Trichophyton granulosum, Trichophyton gypseum, Trichophyton interdigitale, Trichophyton kaufman-Wolf, Trichophyton lacticolor, Trichophyton proliferans, Trichophyton quinckeanum, Trichophyton radiolatum. Index Fungorum website: Trichophyton mentagrophytes.

Parent Product

535 - Molds, Rusts and Smuts, Trichophyton mentagrophytes

Published Data

PMID 16457375, Only 1 out of 49 non-selected inhabitants had positive skin prick test results for a mold mixture containing T. mentagrophytes.
PMID 76393, Among 114 infected patients studied, 1 out of 12 had immediate skin test responses to T. mentagrphyte
PMID 3805546 and 9792655 used mixtures of T. tonsurans, T. rubrum, and T. mentagrphytes for diagnosis.
A table in PMID 15653817 cites skin test studies to T. tonsurans and T. rubrum, but not to T. mentagrophytes.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
424_ Acta Dermatovener 58-139.pdf	76393	Kaaman, T.	1978
536_ Clin Microbiol Rev 18-30.pdf	15653817	Woodfolk, J.A.	2005
536_ JBC 273-29489.pdf	9792655	Woodfolk, J.A.	1998
536_ JACI 79-40.pdf	3805546	Platts-Mills, T.A.	1987
535_ Pol J Microbiol.pdf	16457375	Gutarowska, B.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 536 - Molds, Rusts and Smuts, Trichophyton rubrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Trichophyton rubrum and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen
Google: Trichophyton rubrum allergy; T. rubrum allergy adverse; T. rubrum allergen; T. rubrum allergen adverse

Nomenclature

ATCC website: Trichophyton rubrum. Stedmans Book (ATCC Fungus Names, 1993): Trichophyton rubrum; Syn: many var.
Index Fungorum website: Trichophyton rubrum; Syn: Epidermophyton rubrum, Sabouraudiella rubra, Sabouraudites ruber.

Parent Product

536 - Molds, Rusts and Smuts, Trichophyton rubrum

Published Data

PMID 76393, Eleven out of 60 (18%) had immediate skin test responses to T. rubrum.
PMID 3805546 and 9792655 used mixtures of T. tonsurans, T. rubrum, and T. mentagrophytes for diagnosis.
A table in PMID 15653817 cites skin test studies to T. tonsurans and T. rubrum, not T. mentagrophytes.
PMID 9759803, Three out of 15 (20%) atopic dermatitis patients were skin prick positive to T. rubrum.
PMID. 10461648, a 57 year-old with asthma who was responsive to anti-fungal treatment, skin (scratch) test positive to T. mixture. Clinicians were able to grow T. rubrum from foot.
PMID 10480590, One out of 15 HIV-Infected patient has positive results using skin prick test and IgE Blotting to T. rubrum cellular extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
398_ Ann Allergy 83-153.pdf	10480590	Nissen, D.	1999
424_ Acta Dermatovener 58-139.pdf	76393	Kaaman, T.	1978
536_ Ann Allergy 81-247.pdf	9759803	Nissen, D.	1998
536_ Clin Microbiol Rev 18-30.pdf	15653817	Woodfolk, J.A.	2005
536_ Elewski J Eur Acad Derm Veneriol 12-250.pdf	10461648	Elewski, B.E.	1999
536_ JACI 79-40.pdf	3805546	Platts-Mills, T.A.	1987
536_ JBC 273-29489.pdf	9792655	Woodfolk, J.A.	1998

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 537 - Molds, Rusts and Smuts, Trichophyton tonsurans

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Trichophyton tonsurans and allergy or asthma or rhinitis or sinusitis or immunotherapy or skin tests or allergen
Google: Trichophyton tonsurans allergy; T. tonsurans allergy adverse; T. tonsurans allergen; T. tonsurans allergen adverse

Nomenclature

ATCC website: Trichophyton tonsurans. Stedmans Book (ATCC Fungus Names, 1993): Trichophyton tonsurans. Index Fungorum website: Trichophyton tonsurans; Syn: Oospora tonsurans and Trichomyces tonsurans.

Parent Product

537 - Molds, Rusts and Smuts, Trichophyton tonsurans

Published Data

PMID 3805546 and 9792655 used mixtures of T. tonsurans, T. rubrum, and T. mentagrphytes for diagnosis.
A table in PMID 15653817 cites skin test studies to T. tonsurans and T. rubrum, not T mentagrophytes.
PMID 2564948, Ten out of 12 adult patients had positive results by bronchial provocation to extract of T. tonsurans.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
536_Clin Microbiol Rev 18-30.pdf	15653817	Woodfolk, J.A.	2005
536_JBC 273-29489.pdf	9792655	Woodfolk, J.A.	1998
536_JACI 79-40.pdf	3805546	Platts-Mills, T.A.	1987
537_Lancet 8643-859.pdf	2564948	Ward, G.W. Jr.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 538 - Molds, Rusts and Smuts, Trichothecium roseum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Trichothecium roseum; synonyms

Google: Trichothecium roseum allergy; T. roseum allergy adverse; T. roseum allergen; T. roseum allergen adverse

Nomenclature

ATCC website: Trichothecium roseum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Trichothecium roseum; Syn: Cephalothecium roseum, Hyphelia rosea, Hyphoderma roseum, Hypolyssus roseus, Hypomyces roseus, Puccinia rosea, Sphaeria rosea.

Parent Product

538 - Molds, Rusts and Smuts, Trichothecium roseum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 539 - Molds, Rusts and Smuts, Verticillium albo-atrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Verticillium albo-atrum

Google: Verticillium albo-atrum allergy; V. albo-atrum allergy adverse; V. albo-atrum allergen; V. albo-atrum allergen adverse

Nomenclature

ATCC website: Verticillium albo-atrum. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Verticillium albo-atrum.

Parent Product

539 - Molds, Rusts and Smuts, Verticillium albo-atrum

Published Data

PMID 3374105, Skin test and bronchial challenge to V. albo-atrum was performed in patients with occupational asthma (greenhouse worker).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
539_J Soc Occ Med 38-13.pdf	3374105	Davies, P.D.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category II
<u>Therapy:</u>	Category IIIA	Category II

Product: 540 - Molds, Rusts and Smuts, Wheat Bunt Tilletia caries

Recommended Scientific Name Tilletia caries

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: T. caries; synonyms

Google: Wheat bunt allergy; Wheat bunt allergy adverse; Wheat bunt allergen; Wheat bunt allergen adverse; same search results performed for Tilletia caries

Nomenclature

ATCC website: Tilletia caries. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Tilletia caries; Syn: Fusisporium inosculans, Lycoperdon tritici, Tilletia tritici, Uredo caries.

Parent Product

540 - Molds, Rusts and Smuts, Wheat Bunt Tilletia caries

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 541 - Molds, Rusts and Smuts, Wheat Rust Puccinia striiformis

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Puccinia striiformis; synonyms

Google: Puccinia striiformis allergy; P. striiformis allergy adverse; P. striiformis allergen; P. striiformis allergen adverse; same search results performed for wheat rust

Nomenclature

ATCC website: Puccinia striiformis. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Puccinia striiformis.

Parent Product

541 - Molds, Rusts and Smuts, Wheat Rust Puccinia striiformis

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
473_ Clin Allergy 3-109.pdf	4592647	Hyde, H.A.	1973

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 542 - Molds, Rusts and Smuts, Wheat Smut, Loose Ustilago tritici

Recommended Scientific Name Ustilago nuda

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ustilago nuda; synonyms

Google: Ustilago tritici allergy; U. tritici allergy adverse; U. tritici allergen; U. tritici allergen adverse; same search results performed for wheat smut

Nomenclature

ATCC website: Ustilago nuda; Syn: Arthrimum sp. deposited as Ustilago nuda. Stedmans Book (ATCC Fungus Names, 1993): Not Listed. Index Fungorum website: Ustilago nuda. Syn: Ustilago segetum, Ustilago tritici

Parent Product

390 - Molds, Rusts and Smuts, Barley Smut, Loose Ustilago nuda

Related Products

- 517 - Molds, Rusts and Smuts, Sorghum Smut Ustilago nuda
- 542 - Molds, Rusts and Smuts, Wheat Smut, Loose Ustilago tritici

Published Data

No papers were found referencing U. nuda. The only Ustilago reports were about U. maydis (corn smut, PMID 1239229, 4037433, 2256573.) Ustilago was tested (but species not identified) in Greek patients in 231 (PMID 15552717); the number that reacted was not specified, probably few to none. U. nuda is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206).

However, review of Hyde indicates that no direct evidence of the allergenicity of U. avenae is cited. In (PMID 4655464), U. avenae is listed (p. 159) without citation, in a section with the following text in its lead paragraph (p. 157): "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
389_ Ann Allergy 55-469.pdf	4037433	Santilli, J. Jr.	1985
473_ Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972
389_ J Invest Allergol Clin Immunol 14-225.pdf	15552717	Gioulekas, D.	2004
389_ Ann Allergy 35-372.pdf	1239229	Giannini, E.H.	1975
379_ Ann Allergy 65-454.pdf	2256573	Santilli, J. Jr.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 543 - Molds, Rusts and Smuts, Wheat Stem Rust Puccinia graminis tritici

Recommended Scientific Name Puccinia graminis

Manufacturers of this Product

- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: P. graminis tritici; synonyms
Google: Puccinia graminis tritici allergy; P. graminis tritici allergy adverse; P. graminis tritici allergen; P. graminis tritici allergen adverse; same search results performed for wheat stem rust

Nomenclature

ATCC website: Puccinia graminis. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Puccinia graminis; Syn: Aecidium berberidis Caeoma berberidis Dicaeoma anthistiriae Puccinia albigensis Puccinia anthistiriae Puccinia cerealis Puccinia elymina Puccinia favargeri Puccinia jubata Puccinia linearis Puccinia megalopotamica Puccinia secalis Puccinia vilis Roestelia berberidis.

Parent Product

474 - Molds, Rusts and Smuts, Oat Stem Smut

Related Products

543 - Molds, Rusts and Smuts, Wheat Stem Rust Puccinia graminis tritici

Published Data

Panel 1 specifically identified (pg 3205-6) P. graminis tritici as rust. P. graminis tritici is among the smuts identified in the discussion by Panel I as "demonstrated...[to]...produce allergic reactions", presumably on the strength of Hyde (pg 3206). However, review of Hyde indicates that no direct evidence of the allergenicity of P. graminis is cited. In PMID 4655464, P. graminis is listed without citation, in a section with the following text in its lead paragraph: "The salient features of these four classes...are set out below...Not all supposedly allergenic genera [of fungi] have been reported as prominent anywhere in the aerospora, or have had their status as allergens confirmed...further work is needed to establish the allergenicity of many of these groups beyond doubt."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
473_Clin Allergy 2-153.pdf	4655464	Hyde, H.A.	1972

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 544 - Molds, Rusts and Smuts, Wheat, Dwarf Bunt Tilletia brevifaciens

Recommended Scientific Name Tilletia controversa

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Tilletia brevifaciens; T. controversa; other synonyms

Google: Tilletia brevifaciens allergy; T. brevifaciens allergy adverse; T. brevifaciens allergen; T. brevifaciens allergen adverse; same search results performed for wheat dwarf bunt

Nomenclature

ATCC website: Tilletia controversa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Tilletia controversa; Syn: Tilletia brevifaciens, Tilletia nanifica, Tilletia tritici, Tilletia tritici-nanifica.

Parent Product

545 - Molds, Rusts and Smuts, Wheat, Smut, Tilletia controversa

Related Products

544 - Molds, Rusts and Smuts, Wheat, Dwarf Bunt Tilletia brevifaciens

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 545 - Molds, Rusts and Smuts, Wheat,Smut, Tilletia controversa

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: T. controversa; other synonyms

Google: Tilletia controversa allergy; T. controversa allergy adverse; T. controversa allergen; T. controversa allergen adverse; same search results performed for wheat smut

Nomenclature

ATCC website: Tilletia controversa. Stedmans Book (ATCC Fungus Names, 1993): Not listed. Index Fungorum website: Tilletia controversa; Syn: Tilletia brevifaciens, Tilletia nanifica, Tilletia tritici, Tilletia tritici-nanifica.

Parent Product

545 - Molds, Rusts and Smuts, Wheat,Smut, Tilletia controversa

Related Products

544 - Molds, Rusts and Smuts, Wheat, Dwarf Bunt Tilletia brevifaciens

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none