



GEVES PRICE LIST 2021

vegetables

Variety and Seed Study and Control Group


















GEVES
Expertise & Performance



GEVES

Expertise & Performance

SUMMARY

	GEVES in a few words	3
	Role and quality	4
	Place an order	5
	Your contacts at GEVES	6
	Supply of samples to the SNES	7
	Order an analysis	9
	All Species	10
	Vegetables	14
	Micro-cleaning	32
	Cytology	33
	Radiography 2D and tomography	34
	Biostimulation, Biocontrol, evaluation of treatment	35
	Disease test supplies : inoculum and reference material	36
	Sector support	38
	Terms and Conditions	40

GEVES at a glance

STATUS

GEVES is a Public Interest Group (Decree of 11 May 1989) founded from three partner organisations:



- The National Institute for Agricultural Research (INRA)



- The Ministry of Agriculture (MAAF)



- The French Interprofessional Organisation for Seeds and Plants (GNIS)

This unique set-up ensures GEVES's independence and neutrality in carrying out its activities for the benefit of the public. The union of state, research, and industry expertise ensures that all factors of the sector are fully taken into account.

MISSIONS

GEVES's official mission is to carry out the following studies:

- DUS tests (Distinctness, Uniformity, Stability) for:
 - Registration of new plant varieties in the Official French and European Catalogues (and VCUS tests for agricultural crops).
 - Legal protection of varieties (plant variety rights) granted by INOV in France and the CPVO in Europe.
- Seed testing for certification prior to marketing for species subject to regulatory certification, and international trade whereby GEVES issues blue and orange international certificates (ISTA).

GEVES makes its specialised expertise openly available to the plant and seed sectors, providing high-quality services to a range of private customers.

To accomplish its missions, GEVES carries out a range of activities:

- Genetic resources management
- Description of varieties and evaluation of genetic progress
- Evaluation of seed quality*
- Methodological research*
- Training courses
- Organisation of the national network of seed laboratories*
- Organisation of Inter-laboratory Comparison tests*
- International Cooperation

*these activities are carried out by the SNES as part of its role as National Reference Laboratory.



The GEVES site in Beaucauzé combines the head office, the National Seed Testing Station, and part of the BioGEVES laboratory.

ORGANISATION



The role of **GEVES** in the seed sector



GEVES official and regulatory missions

Representing France at international forums

(ISTA, UPOV, ISHI, ...) ensuring proper consideration of all sector issues.

Seed sector support missions

Testing services (on request), expertise, advice and training for varieties and seeds.

Quality at **GEVES**

Accreditations, certifications, entrustment

Quality is at the heart of GEVES's activities. The objective of this approach is to provide GEVES customers and partners with the highest levels of service and reliability, whilst continually striving to improve the quality of its procedures.

With a global and harmonised Quality Management System (QMS), GEVES is recognised officially for the following activities:

- VCUS trials and BioGEVES are ISO 9001: 2015 certified by AFNOR.
- GEVES's testing stations in Beaucouzé and Le Magneraud are accredited by COFRAC according to standard ISO 17025: 2017.
- The SNES is accredited by ISTA for issuing International Certificates.
- GEVES is entrusted by the CPVO to carry out DUS testing (for species included in GEVES's scope of entrustment)



Processus VATE et BioGEVES



ISTA ACCREDITED LABORATORY FRDL0200



ACCREDITATION N°1-1316 et N°1-6176 LISTES DES SITES ET PORTÉES DISPONIBLES SUR WWW.COFRAC.FR

GEVES is among the accredited organisations in France authorised to grant Research Tax Credits (CIR). R&D related expenditures which are eligible to receive CIR credits and are entrusted to GEVES, can be taken into account for double their amount in your company's eligible CIR expenditure.



These recognitions demonstrate GEVES's competence and reliability, and its commitment to improving its procedures and satisfying its customers and partners.

The * symbol indicates that a test is accredited by COFRAC. As the accreditation scope is likely to change during the year, we invite you to visit COFRAC's website at www.cofrac.fr for information on all our accreditations or consult the latest version of the GEVES price list on our website www.geves.fr.

For pathology testing, if quarantine pests are detected we will communicate the analysis results to the competent administrative authority in accordance with Article L 201-2 of the Rural Code. Quarantine pests are indicated with the ⁴⁰ symbol.

Seed quality testing **SNES**



ORDER YOUR ANALYSE ONLINE

<http://dsn.geves.info>

- Enter your order
- Print the order summary and attach it to your sample

For faster processing of your request, please order online



SEND YOUR ORDER VIA POST

- Complete the form corresponding to your order (BIO request or analysis order form)

- Attach the form to your sample

- Send the sample to:

GEVES - Service clients SNES
3 rue Henri Becquerel - CS 90024
49071 Beaucouzé Cedex
FRANCE

Biomolecular and biochemical testing **BioGEVES**



ORDER YOUR ANALYSE ONLINE

biogeves.analyses@geves.fr



SEND YOUR ORDER VIA POST

- Send the sample to:

Detection Unit

BioGEVES
3 rue Henri Becquerel - CS 90024
49071 Beaucouzé Cedex
FRANCE

Genotyping/Biochemistry Unit

BioGEVES - Le Magneraud
CS 40052 - Saint-Pierre d'Amilly
17 700 Surgères
FRANCE

Variety testing at the **SEV**



REQUEST A DENOMINATION TEST BY EMAIL

catherine.malatier@geves.fr



REQUEST A FIELD TEST DUS (Distinction Uniformity Stability)

celine.delarue@geves.fr

GEVES - Service clients SEV
25 rue Georges Morel - CS 90024
49071 Beaucouzé Cedex
FRANCE

Your contacts at GEVES

To contact a GEVES staff member by email: firstname.surname@geves.fr

Sector support

- ✓ Training courses
- ✓ ILC
- ✓ Audits

SNES / LNR

Thibaut Decourcelle
+33 (0)2 41 22 58 17



BioGEVES

Contact the Head of Unit:



Rachel Tessier
+33 (0)2 41 22 85 93



SEV

SNES Management



SNES Director
Clotilde Polderman-Roussille
02 41 22 58 10



Assistant
Estelle Bertel
02 41 22 58 02

SNES Customer Services

service.clients@geves.fr



Head of Customer Service and Sampling
Alice Richard Jolly: +33 (0)2 41 22 58 13

- Order tracking and results

Nathalie Parent +33 (0)2 41 22 58 24
Christine Benard +33 (0)2 41 22 58 23
Annie Saussaye +33 (0)2 41 22 58 22

- Online ordering - DSN

Virginie Bettker +33 (0)2 41 22 58 21

SNES Technical Contacts



Head of Physical Analysis Laboratory
Aurélie Charrier: +33 (0)2 41 22 58 40

- Radiography 2D/3D
- Purity, micro-cleaning
- Water content
- Botanic

Sherif Hamdy +33 (0)2 41 22 58 30
Philippe Pannetier +33 (0)2 41 22 58 43
Céline Herbert +33 (0)2 41 22 58 30
Diogo Tobolski +33 (0)2 41 22 58 94



Head of Germination Laboratory
Sylvie Ducournau: +33 (0)2 41 22 58 70

- Floral, vegetable, woody, pulses and forest species
- Beetroot, vegetable, forage grasses
- Agricultural crop species

Valérie Blouin +33 (0)2 41 22 58 78
Pierre Soufflet +33 (0)2 41 22 58 82
Philippe Garreau +33 (0)2 41 22 58 77



Head of Pathology Laboratory
Valérie Grimault: +33 (0)2 41 22 58 50

- Seed health
- Variety resistance
- Seed treatment evaluation

Isabelle Serandat +33 (0)2 41 22 58 54
Sophie Perrot +33 (0)2 41 22 58 58
Geoffrey Orgeur +33 (0)2 41 22 58 56

BioGEVES

biogeves.analyses@geves.fr



Head of BioGEVES
René Mathis
+33 (0)2 41 22 58 34



Assistant
Julie Fournet Demissy
+33 (0)5 46 68 30 38



Detection Unit
Thomas Baldwin
+33 (0)2 41 22 58 39



Biochemistry Unit
Patricia Lem
+33 (0)5 46 68 31 01



Genotyping Unit
Arnaud Remy
+33 (0)5 46 68 30 33

SEV



Head of SEV
Fabien Masson
+33 (0)2 41 22 85 91



SEV Customer Service
Céline Delarue
+33 (0)2 41 22 86 00 (field trials)



Denomination Tests
Catherine Malatier
+33 (0)2 41 22 86 22

Supply of samples to the SNES

The following information, listed on the SNES order form, is essential for processing seed samples:

- Treated seed and name of product. No treated sample will be accepted for analysis without this information.
- Thousand Seed Weight (TSW). This information is necessary to calculate the weight of sub-samples for bacteriology, virology, and dust quantification tests. If this information is not indicated it will be invoiced.
- Analysis on the entire sample. Unless indicated differently, the sample size to be provided is expressed in number of seeds. If the quantity supplied is less than the quantity requested, the analysis will be carried out on all the seed supplied.

Please take care to send your seeds in anonymous boxes and/or paper sachets without any labels or commercial names.

If you are looking for a specific method or species which does not feature in our price list, please contact our Customer Services department which will work with you to put together a testing programme tailored to your technical requirements and price range.



PHYSICAL AND PHYSIOLOGICAL QUALITY

The SNES always works in compliance with the ISTA Rules, offering the same level of reliability of results, whatever the final certificate requested.

Physical quality: Provide the minimum weight prescribed in the ISTA Rules, Table 2C Column 3. If you are requesting several analyses of determination of other seeds by number on the same sample, please provide the necessary quantities for these tests.

Physiological quality: Germination test is carried out on a sample of 400 seeds in accordance with the ISTA Rules. Tests on 200 or 100 seeds are also possible depending on the need for precision. The precision of analyses is indicated in the ISTA tolerance tables.

If a germination test is requested without any specific purity analysis, pure seeds are sorted before the germination test. This analysis is not invoiced except for Grasses (Poaceae). This step is an integral part of the ISTA method for the evaluation of germinative faculty.

Quantity to provide for substrate checks, the takeover is included in the quantities:

	Top of paper	Rolled	Pleated paper	Sand	Organic growing media
GE-SUB-1	20 sheets	12 sheets	12 sheets	10 kg	8 kg
GE-SUB-2	20 sheets	10 sheets	10 sheets	1 kg	1 kg
GE-SUB-3	16 sheets	10 sheets	2 sheets	1 kg	1 kg
GE-SUB-4	96 sheets	16 sheets	16 sheets	12 kg	10 kg



SEED HEALTH QUALITY

Please provide one samples per test requested with the corresponding quantity.

For OIC request, an ISTA method will be choose if it exists. For any COFRAC accredited method, a COFRAC certificate will be issued.

Virology: Certain types of treatment may affect the analysis, seeds should therefore be sent untreated. If seed has been treated with a virucidal product, please indicate this information in the accompanying letter.

Mycology: The nomenclature of fungi evolves; we therefore modify the names of pathogens to follow this nomenclature accordingly. We will indicate any pathogen synonyms in brackets in the price list and test results.

The denominations as sections are now obsolete. The detection of *Fusarium*, with the exception of identification (PA-ID-FUS), shall be carried out by classification by section. Certain *Fusarium* which are specific to a species will still be referred to with the name of the species (e.g. *F. oxysporum* in curcubitis).

Sections correspond to the classification of Nelson et al. (1983), amended by Burgess et al. (1994) and updated with molecular techniques (Leslie et Summerell, 2006; Carter et al., 2000; Aoki et O'Donnel, 1999; Benyon et al., 2000).

Supply of samples to the SNES

Former name	Current sections	Main species
<i>Fusarium roseum</i>	<i>Roseum</i>	<i>F. avenaceum</i>
	<i>Discolor</i>	<i>F. culmorum</i> , <i>F. graminearum</i> (<i>Gibberella zeae</i>), <i>F.roseum</i> (<i>F. sambucinum</i>), <i>F.crookwellense</i>
	<i>Arthrosporiella</i>	<i>F. incarnatum</i> (<i>Fusarium semitectum</i>)
<i>Fusarium</i> sp.	<i>Sporotrichiella</i>	<i>F. poae</i> , <i>F. tricinctum</i> (<i>Gibberella tricincta</i>), <i>F. sporotrichioides</i> , <i>F.langsethiae</i>
	<i>Gibbosum</i>	<i>F. equiseti</i> (<i>Gibberella intricans</i>), <i>F. acuminatum</i> (<i>Gibberella acuminata</i>)
<i>Fusarium moniliforme</i>	<i>Liseola ou complexe G. fujikuroi</i>	<i>Gibberella fujikuroi</i> (<i>F. verticillioides</i> , <i>F.subglutinans</i>), <i>F. proliferatum</i>
<i>Fusarium oxysporum</i>	<i>F. Elegans</i>	<i>F. oxysporum</i>
<i>Fusarium solani</i>	<i>Martiella - Ventricosum</i>	<i>F. solani</i> (<i>Haematonectria haematococca</i>)

This test is performed on 400 seeds according to the following criteria:

- Without superficial disinfection for most species. If the presence of saprophytes is too high the result will be "Undetermined", a new test with superficial disinfection will be proposed.
- With superficial disinfection for species that are known to have saprophytes that can compromise the analysis. For treated seeds, a test without superficial disinfection is indicated in the price list and will be chosen.

The detection of pathogenic fungal flora is carried out using the agar method (except for Sunflower and Hemp, on blotting paper) with incubation at 20°C. This method enables the detection of multiple pathogens simultaneously. The presence of other pathogenic fungi or saprophytes may be indicated if requested or if their presence is significant. For any other fungi detection requests, please contact us.

Order an analysis

To SNES

For SNES or COFRAC certificate ¹

	Price
Prise en charge	
By paper order form	
Handling of the request per submitted sample and issuing of a definitive SNES or COFRAC certificate, in French or English.	8.50
By internet on DSN website	
Handling of the request per submitted sample and issuing of a definitive SNES or COFRAC certificate, in French or English.	6.50
Options	
Specific handling	
Handling of the request per submitted sample sent in several packaging or weighing more than 2 kg requiring the preparation of a working sample, and establishment of a definitive SNES or COFRAC certificate, in French or English.	35.00
Supplementary certificates, specific presentation of results, priority	
Provisional certificate, in French or English.	3.60
Duplicate certificate, in French or English.	2.60
Summary table of results, or specific presentation of results.	27.50
Raw results on .csv file (request must be entered online on DSN website).	0.00
Priority processing, per sample.	16.00

¹ A SNES certificate is issued by default, except for COFRAC accredited tests (indicated by a *) for which a COFRAC certificate will be issued.

For an International certificate

	Price
Prise en charge	
Handling of each submitted sample and issuing of an International Orange Seed Lot Certificate or International Blue Certificate, in French or English, with priority being given to the related analyses.	33.00
Options	
Supplementary certificates and request for changes	
Provisional international certificate, in French or English.	8.50
Duplicate international certificate, in French or English.	8.50
Modification of information on an international certificate (after checking the conformity with ISTA rules).	30.00

To BioGEVES

Handling and results

	Price
Prise en charge	
Handling of the sample for treated seeds.	50.00
Résultats	
Duplicates analysis report except photography.	2.30
New edition of result report.	24.10
Specific presentation of results.	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Thousand-seed weight				
MMS-01	Thousand-seed weight on pure seeds (specific purity required).	29.00	/	/
Purity				
PU-SP-01	Indication of the number of other seeds in the specific purity test.	16.00	/	/
ID-IS-01	Identification of each species.	30.30	/	/
PU-TRI-COU	Sorting by color (separation of colored components and indication of the result expressed in number and in % of number).	28.50	/	/
PU-ENR-TOT	Pelleting material removal of the whole purity working sample. (Excluding seed mixture).	51.00	/	/
Determination of other seeds by number (on ISTA weight)				
SP-LI-01	Determination of other seeds limited from 1 to 3 botanical species or other impurities (except for <i>Orobanche</i> spp. and small seeds).	54.00	/	/
SP-LI-02	Determination of other seeds limited from 4 to 8 botanic species or other impurities (except for <i>Orobanche</i> spp. and small seeds).	87.00	/	/
SP-LI-20	Determination of other seeds limited > 8 botanic species or other impurities (except for <i>Orobanche</i> spp. and small seeds).			Contact SNES
Determination of Orobanche spp. and Striga sp.				
SP-ORO	Determination of <i>Orobanche</i> spp. seeds on ISTA weight. Provide sorted out sample in separated sachets.	65.00	/	/
SP-STRIGA	Determination of <i>Striga</i> sp. seeds on ISTA weight. Provide sorted out sample in separated sachets.	65.00	/	/
SP-ORO-STR	NEW Determination of <i>Orobanche</i> spp. <i>Striga</i> sp. seeds on ISTA weight. Provide sorted out sample in separated sachets.	93.00	/	/
Determination by number of all other seeds on coated seeds - Untreated seeds only				
SP-ENR-TOT	Pelleting material removal and determination of other seed by number on 7500 coated seeds (except <i>Orobanche</i> spp. and <i>Striga</i> sp. seeds).	270.00	/	/
SP-ENR2500	Pelleting material removal and determination of other seed by number on 2500 coated seeds (except <i>Orobanche</i> spp. and <i>Striga</i> sp. seeds).	87.00	/	/
SP-ENR-LIM	Pelleting material removal and determination of other seed by number, limited from 4 to 8 botanic species, on 7500 coated seeds (except <i>Orobanche</i> spp. and <i>Striga</i> sp. seeds).	211.00	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven method.	18.00	/	/
TE-SN-SUP	Supplement for moisture content if received as raw seeds.	16.00	/	/

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-SUP4	Supplement for an analysis in soil or sand if the primary support of the species is "top of" or "pleated" paper.	13.20	/	/
Germination test on 200 seeds				
GE-FG-SUP2	Supplement for an analysis in soil or sand if the primary support of the species is "top of" or "pleated" paper.	6.70	/	/
Complementary determinations with the germination test (in addition to the germination capacity)				
GE-FG-DET	Detailed description of seedlings and seeds.	35.20	/	1 250
GE-FG-PCPL	Percentage of a particular type of seedling.	19.80	/	/
GE-FG-REP	Provision of the result of repetitions.	11.40	/	/
Additional testing time required for a germination test				
On 400 seeds				
GE-FG-7S4	Additional duration of 7 days.	13.90	/	1 250
GE-FG-14S4	Additional duration of 14 days.	13.90	/	500
On 200 seeds				
GE-FG-7S2	Additional duration of 7 days.	7.00	/	500
GE-FG-14S2	Additional duration of 14 days.	13.90	/	500
Verification of species				
GE-ENR	Verification of species after germination test.	8.00	/	/

Physiological quality

		Price	Duration	Size
Tetrazolium viability test - For urgent tests, reception of seeds on Tuesday at the latest.				
GE-TZ-1	Tetrazolium test on 400 seeds.	148.00	/	500
GE-TZ-2	Tetrazolium test on 200 seeds.	95.00	/	300
GE-TZ-3	Tetrazolium test on 100 seeds.	65.00	/	200
Energy				
GE-EG	Germination energy (intermediate counting; germination capacity supplement). The date of counting for the energy varies according to the species.	16.90	/	500
Vigour test				
GE-CO	Cold-test on 400 seeds.	59.00	/	1 000
GE-CO2	Cold-test on 200 seeds.	37.70	/	500
GE-VIEI-2	Accelerated ageing of 200 seeds including germination capacity.	77.00	/	500
GE-DET-1	Controlled deterioration of 200 seeds including germination capacity.	77.00	/	500
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species. <i>The moisture content of seeds should be between 10 and 14 %, sample must be send in a sealed foil sachet with the indication of the water content, otherwise it would be determined by us before the test and invoiced (see test TE-SN-01).</i>	49.20	/	500
Automated germination kinetics by image analysis				
GE-CI	Germination kinetics by image analysis (average rate of germination, kinetic curve).			Contact SNES
GE-CI-4	Provision of detailed data on imbibition and early elongation of the root.			Contact SNES
GE-CI-5	Provision of CD with seed images during germination.			Contact SNES
Treatment of seeds				
GE-TRAIT	Treatment of seeds to be performed by SNES. Seeds do not undergo fungicide treatment before the germination test unless specifically requested (except for beetroot).	16.30	/	/
Substrate checks				
GE-SUB-1	Determination of the water holding capacity of a substrate (including moisture content).	78.00	/	See p.7
GE-SUB-2	Determination of the pH of a substrate.	49.90	/	See p.7
GE-SUB-3	Determination of the conductivity of a substrate.	49.90	/	See p.7
GE-SUB-4	Assessment of the innocuity of a substrate (determination of the % of seedlings intoxicated by the substrate, on 2 sensitive species).	116.00	/	See p.7
GE-SUB-5	Viability determination of seeds in a soil or a substrate.			Contact SNES
GE-SUB-6	Validation of a new substrate for germination.			Contact SNES

Seed health quality

		Price	Duration	Size
Prior operations				
PA-MMS	Thousand-seed weight, if not indicated on the request for bacteriology and virology tests..	29.00	/	/
Bacteriology				
PA-BA-19	Supplement fee for counting of colonies for one pathogen in 5 000 seeds.	19.90	/	5 000
PA-BA-20	Supplement fee for counting of colonies for one pathogen in 30 000 seeds.	52.00	/	30 000
PA-BA-81	Supplement fee for counting of colonies for more than one pathogen in 5 000 seeds.	32.50	/	5 000
PA-BA-82	Supplement fee for counting of colonies for more than one pathogen in 30 000 seeds.	98.00	/	30 000
PA-BA-121	<i>Pseudomonas syringae</i> pv. <i>aptata</i> . Agar method + pathogenicity test in case of suspect colonies.	228.00	38 days	5 000
PA-BA-123	<i>Pseudomonas syringae</i> pv. <i>ptsi</i> and <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	202.00	34 days	5 000
PA-BA-124	<i>Pseudomonas viridiflava</i> . Agar method + identification of strains by PCR in case of suspect colonies.	309.00	29 days	5 000
PA-BA-126	<i>Pseudomonas viridiflava</i> . Agar method + identification of strains by PCR in case of suspect colonies.	309.00	29 days	30 000
PA-BA-128	<i>Pseudomonas</i> tous pathovars. Agar method + identification of strains by PCR in case of suspect colonies.	198.00	22 days	30 000
PA-BA-130	<i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	195.00	/	/
Mycology - See p.7 "Seed health quality"				
PA-ID-FUS	Identification of <i>Fusarium</i> species in addition to detection test.	223.00	19 days	/

Seed health quality

		Price	Duration	Size
Mycology - See p.7 "Seed health quality"				
PA-ES-VERT	<i>Verticillium dahliae</i> . Agar method.	89.00	19 days	400
PA-MY-DEN	Supplement for counting of spores.	51.00	/	/
Nematology				
PA-NE-SOL1	Detection and identification of <i>Heterodera</i> group <i>Schachtii</i> , <i>Heterodera</i> group <i>Goettingiana</i> , <i>Heterodera</i> group <i>Avenae</i> .	171.00	30 days	300 g
Other tests				
PA-AD-01	Resistance of fungal isolates to fungicides.			Contact SNES
PA-AD-02	Study of the efficacy of seed disinfection/treatment products on medium or by bioassay.			Contact SNES
PA-AD-IP	Identification of pathogens isolated and provided on medium.	42.00	19 days	2 boxes / isolates
PA-ISOLEM	Isolation of strains from symptoms.	42.00	/	/
PA-ISOSEM	Isolation of strains from seeds.	91.00	/	/
PA-DI-PEC	Identification of pathogens on plant material. Feasibility on a case-by-case basis. Tariffs below are indicated for information. They will be charged depending on the observed symptoms.			Contact SNES
PA-DI-PEC1	Handling of the sample. Additional tests depending of the symptoms observed:	48.00	/	/
PA-DI-MICR	Identification based on symptoms.	82.00	/	/
PA-DI-MY	Mycological identification after incubation.	168.00	/	/
PA-DI-BA	Bacteriological identification after incubation.	84.00	/	/
PA-DI-IF	Bacteriological identification by immunofluorescence.	119.00	/	/
PA-DI-PP	Confirmation by pathogenicity test.	102.00	/	/
PA-DI-ELIS	Virological identification by immunological test.	183.00	/	/
PA-DI-IND	Virological identification virologic by biotest.	57.00	/	/
PA-DI-API	Analytical Profile Index (API).	162.00	/	/
PA-DI-PCR	PCR.	102.00	/	/

EVALUATION OF VARIETIES

		Price	Duration	Size
Nematology				
PA-NE-SOL2	Detection and identification of <i>Meloidogyne</i> in soil by indexing.	173.00	6 weeks	1 kg
Determination of the identity and the varietal purity				
SEV-CV	Standard protocol.	295.00	/	/
SEV-CV1	Specific study.			Contact SEV
Genotyping by molecular biology				
BI-G-BM-SSR-CID-GEN	Varietal identity control.			Contact BioGEVES
BI-G-BM-SSR-PUR-40-GEN	Seed mixture detection.			Contact BioGEVES
BI-G-BM-SSR-PUR-90-GEN	Varietal purity analysis.			Contact BioGEVES
BI-G-CUST-GEN-1	Customised genotyping.			Contact BioGEVES
BI-G-BM-SSR-DVAR-GEN	Molecular characterisation.			Contact BioGEVES
BI-G-BM-EXT	DNA extraction.			Contact BioGEVES
BI-G-CUST-GEN-3	Standardization of DNA concentration & distribution in plate.			Contact BioGEVES
BI-G-CUST-GEN-2	Analysis of genetic diversity.			Contact BioGEVES
Technological qualitie: biochemical tests				
BI-B-SPEC-TAN-GEN	Tannin content.			Contact BioGEVES
BI-B-CPG-AG-GEN	Fatty acid composition.			Contact BioGEVES
BI-B-HPLC-GLU-GEN	Glucosinolate content.			Contact BioGEVES
BI-B-SPECT-FAT-GEN	Antitrypsic activity.			Contact BioGEVES
BI-B-CUST-GEN-DOS	Customised biochemical assay.			Contact BioGEVES
BI-B-CUST-GEN-DEV-NIRS	NIRS calibration development.			Contact BioGEVES

		Price	Duration	Size
Annual subscription to the variety denomination class test				
SEV-DENOS-10	All species - 10 tests.	183.00	/	/
SEV-DENOS-20	All species - 20 tests.	343.00	/	/
SEV-DENOS-50	All species - 50 tests.	810.00	/	/
SEV-DENOS-100	All species - 100 tests.	1560.00	/	/
SEV-DENOS-200	All species - 200 tests.	3060.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination analysis technical sheet				
GE-M-ESP	Germination method of different species.	7.00	/	/
Analysis of specific purity and determination of other seeds by number technical sheet				
AP-M-1	Purity and determination of other seeds by number: methodology.	27.90	/	/
Identification data sheet of seeds and other impurities				
AP-A-01	<i>Echinochloa crus-galli</i> , <i>Echinochloa colona</i> , <i>Panicum capillare</i> , <i>Panicum maximum</i> , <i>Setaria pumila</i> , <i>Setaria veridis</i> .	27.90	/	/
AP-A-02	<i>Avena fatua</i> - <i>Avena sativa</i> .	27.90	/	/
AP-A-03	Polygonaceae (<i>Persicaria maculosa</i> , <i>Persicaria lapathifolia</i> , <i>Fallopia convolvulus</i> , <i>Polygonum aviculare</i> , <i>Rumex</i> sp., <i>Rumex acetosella</i> , <i>Rumex maritimus</i>).	27.90	/	/
AP-A-04	<i>Chenopodium</i> sp., <i>Atriplex</i> sp., <i>Amaranthus</i> sp., <i>Reseda</i> sp., <i>Myosotis</i> sp.	27.90	/	/
AP-A-06	Asteraceae (<i>Anthemis arvensis</i> , <i>Glebionis segetum</i> , <i>Chicorium</i> sp., <i>Tripleurospermum inodorum</i> , <i>Helminthotheca echioides</i> , <i>Lapsana communis</i> , <i>Lactuca sativa</i> , <i>Sonchus</i> spp., <i>Cirsium arvense</i> , <i>Cirsium vulgare</i> , <i>Centaurea cyanus</i>).	27.90	/	/
AP-P-1	<i>Cuscuta</i> spp.	27.90	/	/
AP-P-2	<i>Claviceps purpurea</i> - <i>Sclerotinia sclerotiorum</i> .	27.90	/	/
Self-control kit				
KIT-AUTO	On request, components are sent separately accompanied with an instructional material.			Contact SNES
I.D.Seed® On-line picture library, an aid to the identification of seeds - In French				
IDSEED-1	I.D.Seed® - Complete collection. Resgistration on http://mediatheque.geves.fr	0.00	/	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-18	Vegetables, Flowers, Trees, Shrubs, Aromatics, Medicinals, Narrow-leaf plantain.	29.00	/	/
PU-IS-21	Purity of coated seeds.	30.00	/	/
Percentage by weight of a specified specie (in addition to the purity analysis test)				
PU-PC-MELI	<i>Melilotus</i> sp.	12.00	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-17	Vegetables, Flowers, Trees, Shrubs, Aromatics, Medicinals, Narrow-leaf plantain.	122.00	/	/
Calibration - Provide seeds in sealed foil sachets				
MN-DK-CAL1	ISTA method (Denker device): inferior or equal to 6 grills.	37.00	/	/
MN-DK-CAL2	ISTA method (Denker device): superior or equal to 6 grills.	48.00	/	/
MN-CA-SEUL	Calibration excluding Denker.			Contact SNES

Physiological quality ³

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-18-4	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	55.00	/	1 250
Germination test on 200 seeds				
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	44.50	/	500
Germination test on 100 seeds				
GE-FG-18-1	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	26.70	/	500
Germination tests on bulbs and bulblets				
GE-BULB-4	Germination tests on 400 bulbs or bulblets.	129.00	/	/
GE-BULB-2	Germination tests on 200 bulbs or bulblets.	104.00	/	/
Cold test germination on 400 seeds				
GE-EGFG-4	Chicory, Field bean, Lettuce.	78.00	/	1 250
Cold test germination on 200 seeds				
GE-EGFG-2	Chicory, Field bean, Lettuce.	46.40	/	500
Verification of species				
GE-ENR	Verification of species after germination test.	8.00	/	/
Vigour test				
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species. <i>The moisture content of seeds should be between 10 and 14 %, sample must be send in a sealed foil sachet with the indication of the water content, otherwise it would be determined by us before the test and invoiced (see test TE-SN-01).</i>	49.20	/	500
Usable plants test				
GE-TX-PL-2	Determination of the rate of usable Tomato plants (400 seeds).	87.00	/	500
GE-TX-PL-1	Determination of the rate of usable Tomato plants (200 seeds).	66.00	/	300
Treatment of seeds				
GE-TRAIT	Treatment of seeds to be performed by SNES. Seeds do not undergo fungicide treatment before the germination test unless specifically requested (except for beetroot).	16.30	/	/

³ The germination capacity tests of lamb's lettuce seeds are carried out using several methods on 400 seeds: 2 methods with and without sodium hypochlorite disinfection from January 1st to May 31st and 2 methods with and without sodium hypochlorite disinfection and gibberellin from June 1st to December 31st.

Seed health quality

		Price	Duration	Size
Bacteriology				
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen				
PA-BA-04	<i>Xanthomonas campestris</i> pv. <i>campestris</i> . Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	187.00	41 days	30 000

Seed health quality

		Price	Duration	Size
Bacteriology				
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen				
PA-BA-57	<i>Xanthomonas campestris</i> pv. <i>campestris</i> . Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	222.00	41 days	40 000
PA-BA-63	<i>Xanthomonas campestris</i> pv. <i>campestris</i> . Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	326.00	41 days	60 000
PA-BA-03	<i>Xanthomonas campestris</i> pv. <i>campestris</i> . Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019a).	192.00	41 days	30 000
PA-BA-105	<i>Xanthomonas campestris</i> pv. <i>campestris</i> - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	226.00	41 days	30 000
PA-BA-58	<i>Xanthomonas campestris</i> pv. <i>campestris</i> - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	296.00	41 days	40 000
PA-BA-64	<i>Xanthomonas campestris</i> pv. <i>campestris</i> - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	439.00	41 days	60 000
PA-BA-05	<i>Xanthomonas campestris</i> pv. <i>campestris</i> - Disinfected seeds . Grinding + agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019b).	238.00	41 days	30 000
PA-BA-29	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies.	167.00	41 days	30 000
PA-BA-59	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies.	222.00	41 days	40 000
PA-BA-65	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies.	326.00	41 days	60 000
PA-BA-30	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies.	226.00	41 days	30 000
PA-BA-60	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies.	296.00	41 days	40 000
PA-BA-66	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies.	439.00	41 days	60 000
PA-BA-10	<i>Pseudomonas syringae</i> pv. <i>maculicola</i> . Agar method + pathogenicity test in case of suspect colonies.	172.00	41 days	30 000
PA-BA-33	<i>Pseudomonas syringae</i> pv. <i>maculicola</i> - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies.	223.00	41 days	30 000
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
PA-BA-06	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	223.00	41 days	30 000
PA-BA-61	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	269.00	41 days	40 000
PA-BA-78	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>). Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	404.00	41 days	60 000
PA-BA-07	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	269.00	41 days	30 000
PA-BA-62	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	358.00	41 days	40 000
PA-BA-67	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) - Disinfected seeds . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	530.00	41 days	60 000

Seed health quality

		Price	Duration	Size
Bacteriology				
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
PA-BA-45	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Pseudomonas syringae</i> pv. <i>maculicola</i> . Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	264.00	41 days	30 000
PA-BA-46	<i>Xanthomonas campestris</i> pv. <i>armoraciae</i> + <i>Pseudomonas syringae</i> pv. <i>maculicola</i> . Agar method + pathogenicity test in case of suspect colonies.	264.00	41 days	30 000
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 3 pathogens.				
PA-BA-08	<i>Xanthomonas campestris</i> pv. <i>campestris</i> + <i>Xanthomonas campestris</i> pv. <i>armoraciae</i> (<i>raphani</i>) + <i>Pseudomonas syringae</i> pv. <i>maculicola</i> . Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	320.00	41 days	30 000
Dill, Carrot, Coriander, Parsley				
PA-BA-CAND	Detection by PCR of <i>Candidatus liberibacter solanacearum</i> .	115.00	10 days	20 000
Carrot				
PA-BA-01	<i>Xanthomonas hortorum</i> pv. <i>carotae</i> . Agar method and PCR in case of suspect colonies (ISTA 7-020 without counting of colonies).	265.00	29 days	30 000
Carrot, Celery, Fennel, Parsnip				
PA-BA-02	<i>Xanthomonas hortorum</i> pv. <i>carotae</i> . Agar method with counting of colonies and PCR in case of suspect colonies (ISTA 7-020).	277.00	29 days	30 000
Carrot				
PA-PP-XHC	Confirmation by pathogenicity test of <i>Xanthomonas hortorum</i> pv. <i>carotae</i> isolates PCR positive.	114.00	60 days	/
Cucurbits (Squash, Cucumber, Melon, Watermelon) - Detection of 1 pathogen				
PA-BA-86	<i>Xanthomonas cucurbitae</i> . Agar method + pathogenicity test in case of suspect colonies.	310.00	32 days	5 000
PA-BA-91	<i>Pseudomonas syringae</i> pv. <i>peponis</i> . Agar method + identification of strains by PCR in case of suspect colonies.	310.00	24 days	5 000
PA-BA-93	<i>Pseudomonas viridiflava</i> . Agar method + pathogenicity test in case of suspect colonies.	310.00	32 days	5 000
PA-BA-112	<i>Acidovorax citrulli</i> . Grow-out, PCR or pathogenicity test in case of suspect symptoms.	390.00	37 days	10 400
Cucurbits (Squash, Cucumber, Melon, Watermelon) - Detection of 2 pathogens				
PA-BA-89	<i>Pseudomonas syringae</i> <i>lachrymans</i> + <i>Pseudomonas syringae</i> <i>peponis</i> . Agar method + pathogenicity test and/or of strains by PCR in case of suspect colonies.	350.00	36 days	5 000
PA-BA-90	<i>Pseudomonas syringae</i> all pathovars. Agar method + pathogenicity test in case of suspect colonies.	350.00	22 days	5 000
Cucurbits (Squash, Cucumber, Melon, Watermelon) - Detection of 3 pathogens				
PA-BA-89-1	<i>Pseudomonas syringae</i> <i>syringae</i> + <i>Pseudomonas syringae</i> <i>lachrymans</i> <i>Xanthomonas campestris</i> pv. <i>cucurbitae</i> Agar method + pathogenicity test and/or identification of strains by PCR in case of suspect colonies.	440.00	43 days	5 000
Bean - Detection of 1 pathogen				
PA-BA-13-2	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>).* Agar method, identification of strains by qPCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	162.00	25 days	5 000
PA-BA-13-3	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>).* Agar method, identification of strains by qPCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	217.00	25 days	10 000
PA-BA-13-4	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>).* Agar method, identification of strains by qPCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	350.00	25 days	30 000
PA-BA-12	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>). Agar method with counting of colonies + identification of strains by PCR in case of suspect colonies (ISTA 7-021 option 2).	197.00	25 days	5 000

Seed health quality

		Price	Duration	Size
Bacteriology				
Bean - Detection of 1 pathogen				
PA-BA-34-2	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	165.00	25 days	5 000
PA-BA-34-3	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	221.00	25 days	10 000
PA-BA-44	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . Agar method with counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-023).	210.00	34 days	5 000
PA-BA-35-1	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	386.00	25 days	30 000
PA-BA-36	<i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	183.00	34 days	5 000
PA-BA-36-1	<i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	228.00	34 days	10 000
PA-BA-37	<i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	396.00	34 days	30 000
PA-BA-120	<i>Xanthomonas axonopodis</i> pv. <i>glycinea</i> Agar method + pathogenicity test in case of suspect colonies.	174.00	34 days	5 000
Bean - Detection of 2 pathogens				
PA-BA-94	Detection and identification on symptoms (leaves or pods) of <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> + <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>) by PCR.	245.00	7 days	/
PA-BA-15-2	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . * Agar method, identification of strains by qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	253.00	25 days	5 000
PA-BA-15-3	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . * Agar method, identification of strains by qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	310.00	25 days	10 000
PA-BA-15-4	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> . * Agar method, identification of strains by qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	448.00	25 days	30 000
PA-BA-48	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	253.00	34 days	5 000
PA-BA-50-1	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	310.00	34 days	10 000
PA-BA-49	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030).	442.00	34 days	30 000
PA-BA-50	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> * + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	253.00	34 days	5 000
PA-BA-48-1	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	293.00	34 days	10 000
PA-BA-51	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	442.00	34 days	30 000

Seed health quality

		Price	Duration	Size
Bacteriology				
Bean - Detection of 3 pathogens				
PA-BA-17	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> + <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method, identification of strains pathogenicity test and/or qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	284.00	34 days	5 000
PA-BA-17-1	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> * + <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method, identification of strains by pathogenicity test and/or qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	340.00	34 days	10 000
PA-BA-18	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> * + <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method, identification of strains pathogenicity test and/or qPCR in case of suspect colonies (in house method derived from Anses BHs/99/02 and in house method ANA/PAT/ANS/MO/110 derived from Anses MOA 030 respectively).	538.00	34 days	30 000
PA-BA-102	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> + <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> (and <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> var. <i>fuscans</i>)* + <i>Xanthomonas axonopodis</i> pv. <i>glycinea</i> . Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and MOA 030 respectively).	300.00	34 days	5 000
Bean				
PA-PP-XAP	Confirmation by pathogenicity test of <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> isolates PCR positive.	62.00	21 days	/
Lettuce				
PA-BA-95	<i>Xanthomonas vitians</i> . Agar method and pathogenicity test in case of suspect colonies.	170.00	36 days	30 000
PA-BA-97	<i>Pseudomonas cichorii</i> . Agar method and pathogenicity test in case of suspect colonies.	170.00	36 days	30 000
PA-BA-98	<i>Xanthomonas vitians</i> + <i>Pseudomonas cichorii</i> . Agar method and pathogenicity test in case of suspect colonies.	310.00	36 days	30 000
Corn salad				
PA-BA-38	<i>Acidovorax valerianellae</i> . Grow-out, symptoms observed on plantlets and confirmation by PCR in case of suspect plantlets. For untreated seed, fungal treatment is systematically done in water added to vermiculite.	214.00	40 days	10 000
PA-BA-38-2	Seeds that require dormancy breaking. <i>Acidovorax valerianellae</i> . Grow-out, symptoms observed on plantlets and confirmation by PCR in case of suspect colonies. For untreated seed, a fungal treatment is systematically done in water added to vermiculite.	214.00	47 days	10 000
PA-BA-41	Supplement for counting of foci.	15.30	/	/
Pea				
PA-BA-21	<i>Pseudomonas syringae</i> pv. <i>pisi</i> . Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	154.00	28 days	5 000
PA-BA-70	<i>Pseudomonas syringae</i> pv. <i>pisi</i> . Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	228.00	28 days	15 000
PA-BA-21-1	<i>Pseudomonas syringae</i> pv. <i>pisi</i> . Agar method + pathogenicity test in case of suspect colonies (ISTA 7-029).	163.00	31 days	5 000
PA-BA-22	<i>Pseudomonas syringae</i> pv. <i>pisi</i> and <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	167.00	31 days	5 000
PA-BA-84	<i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies.	233.00	31 days	15 000
PA-BA-22-2	<i>Pseudomonas syringae</i> pv. <i>pisi</i> and <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	193.00	31 days	5 000

Seed health quality

		Price	Duration	Size
Bacteriology				
Pea				
PA-BA-85	<i>Pseudomonas syringae</i> pv. <i>pisii</i> and <i>Pseudomonas syringae</i> pv. <i>syringae</i> . Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	289.00	31 days	15 000
PA-PP-PSP	Supplement fee. Confirmation by pathogenicity test of <i>Pseudomonas syringae</i> pv. <i>pisii</i> PCR positive isolates.	64.00	9 days	/
Tomato				
PA-BA-23	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 5 subsamples of 1 000.	160.00	18 days	5 000
PA-BA-101	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 5 subsamples of 2 000.	160.00	18 days	10 000
PA-BA-23-4	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 10 subsamples of 1 000.	246.00	18 days	10 000
PA-BA-23-5	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 15 subsamples of 1 000.	249.00	18 days	15 000
PA-BA-71	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 6 subsamples of 5 000.	175.00	18 days	30 000
PA-BA-69	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . By immunofluorescence test (Anses BH/06/01). 10 subsamples of 5 000.	243.00	18 days	50 000
PA-BA-23-1	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> .* Agar method. (ISF current version / Anses MA049).	304.00	31 days	30 000
PA-BA-23-3	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> .* Agar method. (ISF current version / Anses MA049).	339.00	31 days	50 000
PA-BA-PCR	Supplement fee. Confirmation by PCR of macerates IF positive.	296.00	/	/
PA-PP-CMM	Supplement fee. Confirmation by pathogenicity test of <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> PCR positive isolates.*	42.00	10 days	/
Tomato/Capsicum - Detection of 1 pathogen				
PA-BA-25	<i>Pseudomonas syringae</i> pv. <i>tomato</i> . Agar method + pathogenicity test in case of suspect colonies.	180.00	31 days	30 000
PA-BA-26	<i>Xanthomonas</i> spp. pathogenic on Tomato and Pepper . Agar method + identification of strains by PCR in case of suspect colonies.	180.00	26 days	30 000
PA-BA-92	<i>Pseudomonas corrugata</i> . Agar method + pathogenicity test in case of suspect colonies.	249.00	31 days	30 000
Tomato/Capsicum - Detection of 2 pathogens				
PA-BA-40	<i>Pseudomonas syringae</i> pv. <i>tomato</i> and <i>Xanthomonas</i> spp. pathogenic on Tomato and Pepper . Agar method + pathogenicity test and/or identification of strains by PCR in case of suspect colonies (ISF for <i>Xanthomonas</i>).	270.00	31 days	30 000
PA-BA-125	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> * + <i>Xanthomonas</i> spp. pathogenic on Tomato and Pepper . Agar method + identification of strains by PCR and/or pathogenicity test in case of suspect colonies (ISF for <i>Xanthomonas</i> and ISF current version/Anses MA 049).	410.00	31 days	30 000
PA-BA-127	<i>Pseudomonas syringae</i> pv. <i>tomato</i> + <i>Pseudomonas corrugata</i> Agar method + identification of strains by pathogenicity test in case of suspect colonies.	254.00	31 days	30 000
Tomato/Capsicum - Detection of 3 pathogens				
PA-BA-96	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> * + <i>Pseudomonas syringae</i> pv. <i>tomato</i> + <i>Xanthomonas</i> spp. pathogenic on Tomato and Pepper . Agar method + identification of strains by PCR and/or pathogenicity test in case of suspect colonies (ISF for <i>Xanthomonas</i> and ISF current version/Anses MA 049).	518.00	31 days	30 000
Tomato/Capsicum				
PA-PP-XPP	Supplement fee. Confirmation by pathogenicity test of <i>Xanthomonas</i> spp. Tomato and Pepper pathogens PCR positive isolates.	62.00	10 days	/
Mycology - See p.7 "Seed health quality"				
Asparagus				
PA-ES-ASP	Pathogenic fungal flora. <i>Fusarium oxysporum</i> , <i>Fusarium</i> (section <i>Discolour</i> and other sections), <i>Botrytis</i> sp.	89.00	19 days	400

Seed health quality

		Price	Duration	Size
Mycology - See p.7 "Seed health quality"				
Eggplant				
PA-ES-AUB	Pathogenic fungal flora without superficial disinfection. <i>Alternaria solani</i> , <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> (<i>Neocosmospora solani</i>), <i>Fusarium</i> (autres sections), <i>Colletotrichum</i> sp., <i>Phomopsis vexans</i> , <i>Botrytis</i> sp., <i>Verticillium</i> sp., <i>Rhizoctonia</i> sp., <i>Didymella</i> sp., <i>Stemphylium</i> sp. Treated seeds only.	89.00	19 days	400
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
PA-ES-CHO	Pathogenic fungal flora (derivated from ISTA method 7-004). <i>Leptosphaeria maculans</i> and/or <i>Plenodomus biglobosus</i> (<i>Phoma lingam</i>), <i>Alternaria</i> <i>brassicae</i> , <i>Alternaria brassicicola</i> , <i>Alternaria japonica</i> , <i>Sclerotinia sclerotiorum</i> , <i>Botrytis</i> <i>cinerea</i> , <i>Phoma</i> sp.	89.00	19 days	400
PA-PH-CHO	<i>Leptosphaeria maculans</i> et/ou <i>Plenodomus biglobosus</i> (<i>Phoma lingam</i>). Agar method (ISTA 7-004).	220.00	25 days	1 000
PA-ALB-CHO	<i>Albugo candida</i> . Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-MI-CHO	<i>Hyaloperonospora parasitica</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-MICHOGO	<i>Hyaloperonospora parasitica</i> (downy mildew) viable. Grow-out method.	106.00	42 days	400
PA-MICHOPL	<i>Plasmodiophora brassicae</i> . Grow-out method.	225.00	75 days	100
Carrot				
PA-CE-CAR	<i>Cercospora carotae</i> . Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-AL-CAR	<i>Alternaria dauci</i> , <i>Alternaria radicina</i> (<i>Stemphylium radicinum</i>). Agar Method (ISTA 7-001b, 7-002b).	89.00	24 days	400
PA-ES-CAR	Pathogenic fungal flora. <i>Alternaria dauci</i> , <i>Alternaria radicina</i> (<i>Stemphylium radicinum</i>), <i>Fusarium</i> (all sections), <i>Phoma</i> sp., <i>Botrytis</i> sp.	89.00	19 days	400
PA-SE-CAR	<i>Septoria carotae</i> . Seed wash method. Untreated seeds only.	74.00	15 days	1 000
PA-MY-CAR	<i>Mycocentrospora acerina</i> . Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-PL-CAR	<i>Phomopsis dauci</i> (<i>Diaporthe angelicae</i>) on umbels of Apiaceae. Agar method.	89.00	19 days	/
Celery				
PA-SE-CEL	<i>Septoria apiicola</i> . Direct visual observation. Untreated seeds only. Analysis stopped at 400 seeds if positive.	74.00	15 days	1 000
PA-CE-CEL	<i>Cercospora apii</i> . Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-ES-CEL	Pathogenic fungal flora. <i>Alternaria dauci</i> , <i>Alternaria radicina</i> , <i>Botrytis cinerea</i> , <i>Botrytis</i> sp., <i>Fusarium</i> (all sections).	89.00	19 days	400
Cucumber				
PA-ES-COND	Pathogenic fungal flora with superficial disinfection. <i>Mycosphaerella melonis</i> (<i>Didymella bryoniae</i>), <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> (<i>Neocosmospora solani</i>), <i>Colletotrichum orbiculare</i> , <i>Fusarium</i> (other sections), <i>Botrytis</i> sp. Untreated seeds only.	93.00	19 days	400
PA-ES-CON	Pathogenic fungal flora without superficial disinfection. <i>Mycosphaerella melonis</i> (<i>Didymella bryoniae</i>), <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> (<i>Neocosmospora solani</i>), <i>Colletotrichum orbiculare</i> , <i>Fusarium</i> (other sections), <i>Botrytis</i> sp. Treated seeds only.	89.00	19 days	400
Squash				
PA-ES-COUD	Pathogenic fungal flora with superficial disinfection. <i>Mycosphaerella melonis</i> (<i>Didymella bryoniae</i>), <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> (<i>Neocosmospora solani</i>), <i>Alternaria cucumerina</i> , <i>Fusarium</i> (other sections), <i>Colletotrichum orbiculare</i> , <i>Phomopsis vexans</i> , <i>Botrytis</i> sp., <i>Verticillium</i> sp. Untreated seeds only.	93.00	19 days	400

Seed health quality

		Price	Duration	Size
Mycology - See p.7 "Seed health quality"				
Squash				
PA-ES-COU	Pathogenic fungal flora without superficial disinfection. <i>Mycosphaerella melonis (Didymella bryoniae), Fusarium oxysporum, Fusarium solani (Neocosmospora solani), Alternaria cucumerina, Fusarium</i> (other sections), <i>Colletotrichum orbiculare, Phomopsis vexans, Botrytis sp., Verticillium sp.</i> Treated seeds only.	89.00	19 days	400
Squash, Melon				
PA-MI-COUR	<i>Pseudoperonospora cubensis.</i> Seed wash method. Untreated seeds only.	86.00	15 days	500
Cress				
PA-ES-CRE	Pathogenic fungal flora. <i>Alternaria brassicae, Stemphylium botryosum, Botrytis sp., Phoma sp., Fusarium</i> (all sections).	89.00	19 days	400
PA-MI-CRE	<i>Hyaloperonospora brassicae (Peronospora brassicae).</i> Seed wash method. Untreated seeds only. Watercress (Nasturtium) seeds only.	86.00	15 days	500
Spinach				
PA-MI-EPI	<i>Peronospora farinosa</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-ES-EPI	Pathogenic fungal flora. <i>Botrytis cinerea, Colletotrichum dematium, Fusarium oxysporum, Fusarium</i> (other sections).	89.00	19 days	400
Fennel				
PA-CE-FEN	<i>Passalora punctum (Cercosporidium punctum).</i> Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-ES-FEN	Pathogenic fungal flora. <i>Botrytis cinerea, Fusarium</i> (all sections), <i>Alternaria radicina, Stemphylium botryosum (Pleospora tarda), Phoma sp.</i>	89.00	19 days	400
Bean				
PA-ES-HARD	Pathogenic fungal flora with superficial disinfection. <i>Colletotrichum lindemuthianum, Botrytis cinerea, Macrophomina phaseolina, Stemphylium botryosum, Phoma exigua, Colletotrichum truncatum, Phyllosticta phaseolina, Fusarium</i> (all sections), <i>Rhizoctonia solani, Diaporthe phaseolorum, Sclerotinia sclerotiorum.</i> Agar method. Untreated seeds only.	93.00	19 days	400
PA-ES-HARM	Pathogenic fungal flora without superficial disinfection. <i>Colletotrichum lindemuthianum, Botrytis cinerea, Macrophomina phaseolina, Stemphylium botryosum, Phoma exigua, Colletotrichum truncatum, Phyllosticta phaseolina, Fusarium</i> (all sections), <i>Rhizoctonia solani, Diaporthe phaseolorum, Sclerotinia sclerotiorum.</i> Agar method. Treated seeds only.	89.00	19 days	400
PA-ESI-HAR	<i>Colletotrichum lindemuthianum.</i> Blotter roller method (ISTA 7-006).	98.00	19 days	400
Lettuce				
PA-SE-LAI	<i>Septoria lactucae</i> Direct visual observation. Untreated seeds only. Stop of the analysis at 400 seeds if positive.	74.00	15 days	1 000
PA-ES-LAI	Pathogenic fungal flora. <i>Alternaria dauci, Microdochium panattonianum (Marssonina panattoniana), Stemphylium sp., Botrytis sp., Verticillium sp., Fusarium</i> (all sections).	89.00	19 days	400
Corn salad				
PA-MI-MAC	<i>Peronospora valerianellae</i> (downy mildew). Seed wash method. Untreated seeds only.	75.00	15 days	500
PA-OUT-MAC	<i>Peronospora valerianellae</i> (downy mildew) viable. Grow-out method.	98.00	42 days	400
PA-ES-MAC	Pathogenic fungal flora. <i>Phoma valerianellae (Stagonosporopsis valerianellae), Botrytis cinerea, Fusarium</i> (all sections).	89.00	28 days	400
PA-ID-PHOV	Detection and identification of <i>Phoma valerianellae (Stagonosporopsis valerianellae)</i> on leaves.	86.00	15 days	/

Seed health quality

		Price	Duration	Size
Mycology - See p.7 "Seed health quality"				
Melon				
PA-ES-MELD	Pathogenic fungal flora with superficial disinfection. <i>Didymella bryoniae (Mycosphaerellae melonis), Colletotrichum orbiculare (Gloeosporium orbiculare), Fusarium solani (Haematonectria haematococca), Fusarium</i> (other sections), <i>Alternaria cucumerina, Botrytis sp., Cladosporium sp.</i> Untreated seeds only.	93.00	19 days	400
PA-ES-MEL	Pathogenic fungal flora without superficial disinfection. <i>Didymella bryoniae (Mycosphaerellae melonis), Colletotrichum orbiculare (Gloeosporium orbiculare), Fusarium solani (Haematonectria haematococca), Fusarium</i> (other sections), <i>Alternaria cucumerina, Botrytis sp., Cladosporium sp.</i> Treated seeds only.	89.00	19 days	400
Onion				
PA-MI-OIG	<i>Peronospora destructor</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-CH-OIG	<i>Urocystis colchici (cepulae)</i> (smut). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-ES-OIG	Pathogenic fungal flora with superficial disinfection. <i>Alternaria porri, Botrytis allii et/ouaclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum, Pyrenochaeta terrestris (Setophoma terrestris), Fusarium sp. (section Liseola and other sections), Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa).</i>	89.00	19 days	400
Onion (bulblets)				
PA-ESOIGBD	Pathogenic fungal flora with superficial disinfection. <i>Alternaria porri, Botrytis allii et/ouaclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum, Pyrenochaeta terrestris (Setophoma terrestris), Fusarium sp. (section Liseola and other sections), Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa).</i> Untreated seeds only.	98.00	19 days	200
PA-ES-OIGB	Pathogenic fungal flora without superficial disinfection. <i>Alternaria porri, Botrytis allii et/ouaclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum, Pyrenochaeta terrestris (Setophoma terrestris), Fusarium sp. (section Liseola and other sections), Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa).</i> Treated seeds only.	94.00	19 days	200
Watermelon				
PA-ES-PASD	Pathogenic fungal flora with superficial disinfection. <i>Didymella bryoniae (Mycosphaerellae melonis), Colletotrichum orbiculare (Gloeosporium orbiculare), Fusarium oxysporum, Fusarium solani (Neocosmospora solani), Fusarium</i> (other sections), <i>Alternaria cucumerina, Botrytis sp., Cladosporium sp.</i> Untreated seeds only.	93.00	19 days	400
PA-ES-PAS	Pathogenic fungal flora without superficial disinfection. <i>Didymella bryoniae (Mycosphaerellae melonis), Colletotrichum orbiculare (Gloeosporium orbiculare), Fusarium oxysporum, Fusarium solani (Neocosmospora solani), Fusarium</i> (other sections), <i>Alternaria cucumerina, Botrytis sp., Cladosporium sp.</i> Treated seeds only.	89.00	19 days	400
Capsicum				
PA-MI-PIM	<i>Phytophthora capsici.</i> Seed wash method. Untreated seeds only.	86.00	15 days	500
Leek				
PA-ES-POR	Pathogenic fungal flora <i>Alternaria porri, Botrytis allii and/or Botrytis aclada, Sclerotinia minor, Fusarium moniliforme, Fusarium oxysporum, Fusarium</i> (other sections), <i>Botrytis sp., Stemphylium</i> sp.	89.00	19 days	400
Pea				
PA-ES-POID	Pathogenic fungal flora with superficial disinfection. <i>Didymella pisi (Ascochyta pisi), Didymella pinodes (Mycosphaerella pinodes), Didymella pinodella (Phoma pinodella), Stemphylium botryosum, Fusarium</i> (other sections), <i>Botrytis sp., Sclerotinia sp., Phoma sp.</i> Untreated seeds only.	93.00	19 days	400

Seed health quality

		Price	Duration	Size
Mycology - See p.7 "Seed health quality"				
Pea				
PA-ES-POI	Pathogenic fungal flora without superficial disinfection. <i>Didymella pisi (Ascochyta pisi)</i> , <i>Didymella pinodes (Mycosphaerella pinodes)</i> , <i>Didymella pinodella (Phoma pinodella)</i> , <i>Stemphylium botryosum</i> , <i>Fusarium</i> (other sections), <i>Botrytis</i> sp., <i>Sclerotinia</i> sp., <i>Phoma</i> sp. Treated seeds only.	89.00	19 days	400
PA-MI-POI	<i>Peronospora viciae (Peronospora pisi)</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-ANT-POI	<i>Didymella pisi (Ascochyta pisi)</i> . Agar method (ISTA 7-005).	93.00	19 days	400
Chickpea				
PA-ES-POCD	Pathogenic fungal flora with superficial disinfection. <i>Mycosphaerella rabiei (Ascochyta rabiei)</i> , <i>Botrytis cinerea</i> , <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> , <i>Fusarium</i> (other sections). Untreated seeds only.	93.00	19 days	400
PA-ES-POC	Pathogenic fungal flora without superficial disinfection. <i>Mycosphaerella rabiei (Ascochyta rabiei)</i> , <i>Botrytis cinerea</i> , <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> , <i>Fusarium</i> (other sections). Treated seeds only.	89.00	19 days	400
Capsicum, Pepper				
PA-ES-POIV	Pathogenic fungal flora <i>Colletotrichum capsici (Colletotrichum truncatum)</i> , <i>Fusarium oxysporum</i> , <i>Fusarium</i> (all sections), <i>Colletotrichum coccodes</i> , <i>Sclerotinia</i> sp., <i>Botrytis</i> sp., <i>Verticillium</i> sp., <i>Rhizoctonia</i> sp., <i>Didymella</i> sp., <i>Stemphylium</i> sp.	89.00	19 days	400
Radish				
PA-MI-RAD	<i>Hyaloperonospora parasitica (Peronospora parasitica)</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-MIRADGO	<i>Hyaloperonospora parasitica (Peronospora parasitica)</i> (downy mildew) viable. Grow-out method.	106.00	42 days	400
Rocket				
PA-MI-ROQL	<i>Hyaloperonospora parasitica</i> (downy mildew). Seed wash method. Untreated seeds only.	86.00	15 days	500
PA-MI-ROQ	<i>Hyaloperonospora parasitica (downy mildew)</i> viable. Grow-out method.	106.00	42 days	400
Tomato				
PA-ES-TOM	Pathogenic fungal flora. <i>Alternaria solani</i> , <i>Fusarium oxysporum</i> , <i>Fusarium solani</i> , <i>Botrytis cinerea</i> , <i>Fusarium</i> (all sections), <i>Didymella</i> sp., <i>Verticillium</i> sp., <i>Stemphylium</i> sp., <i>Rhizoctonia</i> sp., <i>Sclerotinia</i> sp.	89.00	19 days	400
Nematology				
Carrot				
PA-NE-CAR	<i>Ditylenchus dipsaci</i> .* Anses MOA013 parts A and B. Untreated seeds only. Test realized on the whole submitted sample. If the supplied quantity is too important, a new sample will be asked.	64.00	16 days	70g
Onion				
PA-NE-OIG	<i>Ditylenchus dipsaci</i> .* Anses MOA013 parts A and B. Untreated seeds only. Test realized on the whole submitted sample. If the supplied quantity is too important, a new sample will be asked.	64.00	16 days	70g
Leek				
PA-NE-POI	<i>Ditylenchus dipsaci</i> .* Anses MOA013 parts A and B. Untreated seeds only. Test realized on the whole submitted sample. If the supplied quantity is too important, a new sample will be asked.	64.00	16 days	70g
Bulbs, bulblets, bulbs, corms, rhizomes, tubers				
PA-NE-BULB	<i>Ditylenchus dipsaci</i> .* Anses MOA013 parts A and B. Untreated seeds only. Test realized on the whole submitted sample. If the supplied quantity is too important, a new sample will be asked.	109.00	16 days	50 units

Seed health quality

		Price	Duration	Size
Nematology				
All species				
PA-NE-VIA	Supplement for viability measure of <i>Ditylenchus dipsaci</i> staining method.*	93.00	/	/
PA-NE-TTES	Supplement for counting of <i>Ditylenchus dipsaci</i> and/or <i>gigas</i> .	109.00	/	/
Virology - Uncoated seeds only				
Eggplant, Lettuce, Capsicum, Tomato				
PA-VI-37-1	<i>Tomato black ring virus</i> (TBRV). ELISA.	136.00	16 days	3 000
Beet, Spinach				
PA-VI-73	<i>Beet mosaic virus</i> (BtMV). ELISA.			Contact SNES
PA-VI-74	<i>Turnip mosaic virus</i> (TuMV). ELISA.			Contact SNES
PA-VI-78	<i>Watermelon silver mottle virus</i> (WMSMOV). ELISA.			Contact SNES
PA-VI-80	<i>Prunus necrotic ringspot virus</i> (PNRSV). ELISA.			Contact SNES
PA-VI-82	<i>Tobacco rattle virus</i> (TRV). ELISA.			Contact SNES
Beet, Cucurbita sp., Citrus sp., Bean, Pea				
PA-VI-37	<i>Tomato black ring virus</i> (TBRV). ELISA.	143.00	16 days	2 000
Carrot, Coriander, Capsicum/Pepper, Tomato, Alfalfa				
PA-VI-71	<i>Alfalfa mosaic virus</i> (AMV). ELISA.	138.00	16 days	2 000
Celery				
PA-VI-42	<i>Peanut stunt virus</i> (PSV). ELISA.			Contact SNES
Celery, Lettuce				
PA-VI-36	<i>Strawberry latent ringspot virus</i> (SLRSV). ELISA.			Contact SNES
Cucumis sp.				
PA-VI-40-1	<i>Zucchini yellow mosaic virus</i> (ZYMV). ELISA.	220.00	16 days	220.00
PA-VI-77-1	<i>Squash leaf curl virus</i> (SLCV). ELISA.			Contact SNES
Cucumis sp., Carrot, Lettuce, Tomato				
PA-VI-33-1	<i>Arabis mosaic virus</i> (ArMV). ELISA.	188.00	16 days	3 000
PA-VI-35-1	<i>Cucumber leaf spot carmovirus</i> (CLSV). ELISA.	188.00	16 days	3 000
Cucumis sp., Carrot, Lettuce, Capsicum, Tomato				
PA-VI-38-1	<i>Tomato ringspot virus</i> (ToRSV). ⁴⁰ ELISA.	138.00	16 days	3 000
Cucumis sp., Lettuce, Capsicum, Tomato				
PA-VI-39-1	<i>Tobacco ringspot virus</i> (TRSV). ⁴⁰ ELISA.	138.00	16 days	3 000
Cucumis sp., Sunflower				
PA-VI-56	<i>Cucumber mosaic virus</i> (CMV). ELISA.	210.00	16 days	2 000
Cucurbita sp., Citrus sp.				
PA-VI-33	<i>Arabis mosaic virus</i> (ArMV). ELISA.	213.00	16 days	2 000
Cucurbits				
PA-VI-01	<i>Squash mosaic virus</i> (SqMV). ELISA (ISTA 7-026).	152.00	16 days	2 000
PA-VI-01-1	<i>Cucumber green mottle mosaic virus</i> (CGMMV). ELISA (ISTA 7-026).	152.00	16 days	2 000
PA-VI-51	<i>Cucumber green mottle mosaic virus</i> (CGMMV). ELISA (ISTA 7-026).	538.00	16 days	10 000

Seed health quality

		Price	Duration	Size
Virology - Uncoated seeds only				
Cucurbits				
PA-VI-63	<i>Kyuri green mottle mosaic virus</i> (KGMMV). ELISA.	213.00	16 days	2 000
PA-VI-01-2	<i>Melon necrotic spot virus</i> (MNSV). ELISA (ISTA 7-026).	152.00	16 days	2 000
PA-VI-01-7	NEW <i>Melon necrotic spot virus</i> (MNSV). ELISA.	590.00	16 days	9 400
PA-VI-01-3	<i>Squash mosaic virus</i> (SqMV) and <i>Cucumber green mottle virus</i> (CGMMV). ELISA (ISTA 7-026).	254.00	16 days	2 000
PA-VI-01-4	<i>Squash mosaic virus</i> (SqMV) and <i>Melon necrotic spot virus</i> (MNSV). ELISA (ISTA 7-026).	254.00	16 days	2 000
PA-VI-01-5	<i>Melon necrotic spot virus</i> (MNSV) and <i>Cucumber green mottle virus</i> (CGMMV). ELISA (ISTA 7-026).	254.00	16 days	2 000
PA-VI-64	<i>Cucumber green mottle mosaic virus</i> (CGMMV) and <i>Kyuri green mottle mosaic virus</i> (KGMMV). ELISA.	270.00	16 days	2 000
PA-VI-01-6	<i>Squash mosaic virus</i> (SqMV) and <i>Cucumber green mottle virus</i> (CGMMV) and <i>Melon necrotic spot virus</i> (MNSV). ELISA (ISTA 7-026).	380.00	16 days	2 000
PA-VI-65	<i>Squash mosaic virus</i> (SqMV) and <i>Cucumber green mottle mosaic virus</i> (CGMMV) and <i>Kyuri green mottle mosaic virus</i> (KGMMV) and <i>Melon necrotic spot virus</i> (MNSV). ELISA.	505.00	16 days	2 000
Cucurbita sp., Citrus sp.				
PA-VI-77	<i>Squash leaf curl virus</i> (SLCV). ELISA.	223.00	Contact SNES	Contact SNES
PA-VI-40	<i>Zucchini yellow mosaic virus</i> (ZYMV). ELISA.	220.00	16 days	2 000
PA-VI-38	<i>Tomato ringspot virus</i> (ToRSV). ⁴⁰ ELISA.	213.00	16 days	2 000
PA-VI-39	<i>Tobacco ringspot virus</i> (TRSV). ⁴⁰ ELISA.	223.00	16 days	2 000
PA-VI-35	<i>Cucumber leaf spot carmovirus</i> (CLSV). ELISA.	213.00	16 days	2 000
Bean				
PA-VI-02	<i>Bean common mosaic virus</i> (BCMV). ELISA on plantlets.	244.00	37 days	1 000
PA-VI-03	<i>Bean common mosaic necrotic virus</i> (BCMNV). ELISA on plantlets.	264.00	37 days	1 000
PA-VI-04	<i>Bean common mosaic virus</i> (BCMV) and <i>Bean common mosaic necrotic virus</i> (BCMNV). ELISA on plantlets.	396.00	37 days	1 000
PA-VI-43	<i>Tobacco streak virus</i> (TSV). ELISA on plantlets.	254.00	37 days	1 000
PA-VI-53	<i>Pea early browning virus</i> (PEBV). ELISA.	142.00	16 days	1 000
Bean, Sunflower				
PA-VI-61	<i>Tobacco streak virus</i> (TSV). ELISA.	254.00	16 days	1 000
Lettuce				
PA-VI-05	<i>Lettuce mosaic virus</i> (LMV). ELISA.	150.00	16 days	10 000
PA-VI-06	<i>Lettuce mosaic virus</i> (LMV). ELISA.	285.00	16 days	30 000
Onion, Leek				
PA-VI-69	<i>Onion yellow dwarf virus</i> (OYDV). ELISA.			Contact SNES
Capsicum, Pepper				
PA-VI-24	<i>Pepper mild mottle virus</i> (PMMoV). ELISA. Seeds not treated by a virucidal.	114.00	16 days	1 000
PA-VI-09	<i>Pepper mild mottle virus</i> (PMMoV). ELISA. Seeds not treated by a virucidal.	213.00	16 days	3 000

Seed health quality

		Price	Duration	Size
Virology - Uncoated seeds only				
Capsicum, Pepper, Tomato				
PA-VI-28	<i>Tobamovirus</i> (ToBRFV ⁴⁰ , TMV, ToMV, PMMoV). Indexing.	109.00	24 days	1 000
PA-VI-20	<i>Tobamovirus</i> (ToBRFV ⁴⁰ , TMV, ToMV, PMMoV). Indexing (ISTA 7-028).	150.00	24 days	3 000
PA-VI-PCRI	Supplement fee. Confirmation by PCR of indexing positive subsamples for ToBRFV.	350.00	/	/
PA-VI-55	Pospiviroids. (PSTVd, TCDVd, MPVd, PCFVd, CEVd, CLVd, TPMVd, TASVd) by RT-PCR.	185.00	10 days	3 000
PA-VI-18	<i>Tomato mosaic virus</i> (ToMV) and/or <i>Tobacco mosaic virus</i> (TMV). ELISA. Seeds not treated by a virucidal.	112.00	16 days	1 000
PA-VI-19	<i>Tomato mosaic virus</i> (ToMV) and/or <i>Tobacco mosaic virus</i> (TMV). ELISA. Seeds not treated by a virucidal.	160.00	16 days	3 000
PA-VI-94	NEW <i>Tobacco mild green mosaic virus</i> (TMGMV). ELISA	125.00	16 days	3 000
PA-VI-94-1	NEW <i>Tobacco mild green mosaic virus</i> (TMGMV). ELISA	115.00	16 days	1 000
PA-VI-93-6	NEW <i>Tomato brown rugose fruit virus</i> (ToBRFV). ⁴⁰ By RT-PCR (ANSES/LSV/MA066 method). Uncoated seeds only.	185.00	10 days	3 000
PA-VI-93-7	NEW <i>Tomato brown rugose fruit virus</i> (ToBRFV). ⁴⁰ By RT-PCR (ANSES/LSV/MA066 method). Uncoated seeds only.	130.00	10 days	1 000
PA-VI-ISHI	NEW Supplement fee. In addition analysis with ISHI primers on request for ToBRFV.	118.00	10 days	/
PA-VI-93	<i>Tomato brown rugose fruit virus</i> (ToBRFV). ⁴⁰ ELISA.	213.00	16 days	3 000
PA-VI-93-1	<i>Tomato brown rugose fruit virus</i> (ToBRFV). ⁴⁰ ELISA.	112.00	16 days	1 000
PA-VI-PCR	Supplement fee. Confirmation by PCR of ELISA positive subsamples for ToBRFV.	350.00	/	/
Pea				
PA-VI-31	<i>Pea early-browning virus</i> (PEBV). ELISA (ISTA 7-024).	140.00	16 days	2 000
PA-VI-57	<i>Pea enation mosaic virus</i> (PEMV). ELISA.	213.00	16 days	2 000
PA-VI-58	<i>Beet yellows virus</i> (BYV). ELISA.			Contact SNES
PA-VI-60	<i>Bean yellow mosaic virus</i> (BYMV). ELISA.			Contact SNES
PA-VI-67	<i>Bean leaf roll virus</i> (BLRV). ELISA.			Contact SNES
PA-VI-88	<i>Southern bean mosaic virus</i> (SBMV). ELISA.			Contact SNES
Pea, Vetch				
PA-VI-11	<i>Pea seed borne mosaic virus</i> (PSbMV). ELISA (ISTA 7-024).	140.00	16 days	2 000
Tomato				
PA-VI-15	<i>Pepino mosaic virus</i> (PepMV) and confirmation of positives and indeterminates according to ELISA by RT-PCR. ELISA (Internal method derived from Anses MOA 008 – MOA 026).	143.00	16 days	1 000
PA-VI-16	<i>Pepino mosaic virus</i> (PepMV) and confirmation of positives and indeterminates according to ELISA by RT-PCR. ELISA (Internal method derived from Anses MOA 008 – MOA 026).	175.00	16 days	3 000
PA-VI-17	<i>Pepino mosaic virus</i> (PepMV) and confirmation of positives and indeterminates according to ELISA by RT-PCR. ELISA (Internal method derived from Anses MOA 008 – MOA 026).	300.00	16 days	5 000
PA-VI-15CO	<i>Pepino mosaic virus</i> . [*] Method Anses MOA 026.			Contact SNES
PA-VI-16CO	<i>Pepino mosaic virus</i> . [*] Method Anses MOA 02.			Contact SNES
PA-VI-17CO	<i>Pepino mosaic virus</i> . [*] Method Anses MOA 026.			Contact SNES

Seed health quality

		Price	Duration	Size
Virology - Uncoated seeds only				
Tomato				
PA-VI-46	<i>Pelargonium zonate spot virus</i> (PZSV). ELISA.	223.00	16 days	3 000
PA-VI-47	<i>Tomato bushy stunt virus</i> (TBSV). ELISA.	210.00	16 days	3 000
PA-VI-70	<i>Tobacco streak virus</i> (TSV). ELISA.	223.00	16 days	3 000
PA-VI-86	<i>Pepper vein mottle virus</i> (PVMV). ELISA			Contact SNES

EVALUATION OF VARIETIES

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
Eggplant				
PA-R-AUB-1	<i>Verticillium dahliae</i> .	155.00	/	/
Cabbage				
PA-R-CHO	<i>Fusarium oxysporum</i> f. sp. <i>conglutinans</i> race 1.	320.00	/	45
PA-R-CHO-1	<i>Plasmodiophora brassicae</i> .	231.00	/	45
Cucumber				
PA-R-CON	CMV (<i>Cucurbit mosaic virus</i>).	123.00	/	45
PA-R-CON-1	CGMMV (<i>Cucumber green mottle mosaic virus</i>).	123.00	/	45
PA-R-CON-2	ZYMV (<i>Zucchini yellow mosaic virus</i>).	123.00	/	45
PA-R-CON-3	WMV (<i>Watermelon mosaic virus</i>).	123.00	/	45
PA-R-CON-4	<i>Podosphaera xanthii</i> race 1.	242.00	/	45
Squash				
PA-R-COU-1	CMV (<i>Cucurbit mosaic virus</i>).	123.00	/	45
PA-R-COU-2	ZYMV (<i>Zucchini yellow mosaic virus</i>).	123.00	/	45
PA-R-COU-3	WMV (<i>Watermelon mosaic virus</i>).	123.00	/	45
PA-R-COU-4	<i>Podosphaera xanthii</i> race 1.	242.00	/	45
Strawberry				
PA-R-FRA-1	<i>Phytophthora cactorum</i> .			Contact SNES
PA-R-FRA-2	<i>Colletotrichum acutatum</i> race 494a.	233.00	/	45
PA-R-FRA-3	<i>Colletotrichum acutatum</i> race 688b.	233.00	/	45
Bean				
PA-R-HAR-1	BCMNV (<i>Bean common mosaic necrotic virus</i>).	104.00	/	30
PA-R-HAR-2	<i>Colletotrichum lindemuthianum</i> race 6 (anthracnose).	115.00	/	30
PA-R-HAR-6	<i>Colletotrichum lindemuthianum</i> race Kappa (anthracnose).	115.00	/	30
PA-R-HAR-3	<i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> race 6 (halo blight).	141.00	/	30
PA-R-HAR-4	<i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> .	141.00	/	30
Lettuce				
PA-R-LAI-1	<i>Bremia lactucae</i> race Bl: 1EU.			Contact SNES
PA-R-LAI-2	<i>Bremia lactucae</i> race Bl: 2EU.			Contact SNES
PA-R-LAI25	<i>Bremia lactucae</i> race Bl: 3EU.			Contact SNES
PA-R-LAI26	<i>Bremia lactucae</i> race Bl: 4EU.			Contact SNES
PA-R-LAI-3	<i>Bremia lactucae</i> race Bl: 5EU.			Contact SNES
PA-R-LAI-4	<i>Bremia lactucae</i> race Bl: 6EU.			Contact SNES
PA-R-LAI-5	<i>Bremia lactucae</i> race Bl: 7EU.			Contact SNES
PA-R-LAI-6	<i>Bremia lactucae</i> race Bl: 10EU.			Contact SNES
PA-R-LAI-7	<i>Bremia lactucae</i> race Bl: 12EU.			Contact SNES
PA-R-LAI-8	<i>Bremia lactucae</i> race Bl: 13EU.			Contact SNES
PA-R-LAI-9	<i>Bremia lactucae</i> race Bl: 14EU.			Contact SNES
PA-R-LAI10	<i>Bremia lactucae</i> race Bl: 15EU.			Contact SNES

Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.

Lettuce

PA-R-LAI11	<i>Bremia lactucae</i> race Bl: 16EU.	52.00	/	45
PA-R-LAI12	<i>Bremia lactucae</i> race Bl: 17EU.			Contact SNES
PA-R-LAI13	<i>Bremia lactucae</i> race Bl: 18EU.			Contact SNES
PA-R-LAI14	<i>Bremia lactucae</i> race Bl: 20EU.	52.00	/	45
PA-R-LAI15	<i>Bremia lactucae</i> race Bl: 21EU.	52.00	/	45
PA-R-LAI16	<i>Bremia lactucae</i> race Bl: 22EU.			Contact SNES
PA-R-LAI17	<i>Bremia lactucae</i> race Bl: 23EU.			Contact SNES
PA-R-LAI18	<i>Bremia lactucae</i> race Bl: 24EU.			Contact SNES
PA-R-LAI19	<i>Bremia lactucae</i> race Bl: 25EU.			Contact SNES
PA-R-LAI27	<i>Bremia lactucae</i> race Bl: 26EU.	52.00	/	45
PA-R-LAI28	<i>Bremia lactucae</i> race Bl: 27EU.	52.00	/	45
PA-R-LAI31	<i>Bremia lactucae</i> race Bl: 28EU.			Contact SNES
PA-R-LAI32	<i>Bremia lactucae</i> race Bl: 29EU.	52.00	/	45
PA-R-LAI33	<i>Bremia lactucae</i> race Bl: 30EU.	52.00	/	45
PA-R-LAI34	<i>Bremia lactucae</i> race Bl: 31EU.	52.00	/	45
PA-R-LAI36	<i>Bremia lactucae</i> race Bl: 32EU.			Contact SNES
PA-R-LAI37	<i>Bremia lactucae</i> race Bl: 33EU.	52.00	/	45
PA-R-LAI38	<i>Bremia lactucae</i> race Bl: 34EU.			Contact SNES
PA-R-LAI39	<i>Bremia lactucae</i> race Bl: 35EU.	52.00	/	45
PA-R-LAI40	<i>Bremia lactucae</i> race Bl: 36EU.			Contact SNES
PA-R-LAI20	<i>Bremia lactucae</i> race S1.			Contact SNES
PA-R-LAI21	<i>Bremia lactucae</i> race SF1.			Contact SNES
PA-R-LAI22	<i>Bremia lactucae</i> race IL4.			Contact SNES
PA-R-LAI29	Late stage resistance.			Contact SNES
PA-R-LAI23	LMV: 0 (<i>Lettuce mosaic virus</i> pathotype 0).	97.00	/	30
PA-R-LAI24	LMV: 9 (<i>Lettuce mosaic virus</i> pathotype 9).	97.00	/	30
BI-D-GENR	Detection of markers linked to resistance genes Gene mo1 (Resistance to the Lettucevirus: LMV).			Contact BioGEVES
PA-R-LAI30	<i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> race 1.	149.00	/	45
PA-R-LAI35	<i>Nasonovia ribisnigri</i> race 0.	146.00	/	45
PA-R-IDBRE	Identification of the race of <i>Bremia lactucae</i> .	237.00	/	/
PA-R-IDFUS	Identification of the race of <i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> .	366.00	/	/

Corn salad

PA-R-MAC-1	<i>Peronospora valerianellae</i> race 1.	127.00	/	45
PA-R-MAC-2	<i>Peronospora valerianellae</i> race 2.	127.00	/	45

Melon

PA-R-MEL-1	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i> race 0.	146.00	/	45
PA-R-MEL-2	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i> race 1.	146.00	/	45
PA-R-MEL-3	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i> race 2.	146.00	/	45
PA-R-MEL-6	<i>Fusarium oxysporum</i> f. sp. <i>melonis</i> race 1.2.	146.00	/	45
PA-R-MEL-5	CMV (<i>Cucurbit mosaic virus</i>).	142.00	/	45
PA-R-MEL-4	MNSV (<i>Melon necrotic spot virus</i>).	142.00	/	45
PA-R-MEL-8	MWMV (<i>Moroccan Watermelon mosaic virus</i>).	142.00	/	45
PA-R-MEL10	ZYMV (<i>Zucchini yellow mosaic virus</i>).	142.00	/	45
PA-R-MEL-7	<i>Golovinomyces cichoracearum</i> .	253.00	/	45
PA-R-MEL-9	<i>Podosphaera xanthii</i> race 1.	242.00	/	45
PA-R-MEL11	<i>Podosphaera xanthii</i> race 2.	242.00	/	45
PA-R-MEL12	<i>Podosphaera xanthii</i> race 3.	242.00	/	45
PA-R-MEL13	<i>Podosphaera xanthii</i> race 3-5.	242.00	/	45
PA-R-MEL14	<i>Podosphaera xanthii</i> race 5.	242.00	/	45
PA-R-MEL15	Identification of the race <i>Podosphaera xanthii</i> .	264.00	/	/
PA-R-IDFOM	Identification of the race of <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> .	168.00	/	/

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
Capasicum				
PA-R-PIM-1	PVY : 0 (<i>Potato virus Y</i> race 0).	144.00	/	45
PA-R-PIM-2	PVY : 1 (<i>Potato virus Y</i> race 1).	144.00	/	45
PA-R-PIM-3	PVY : 1.2 (<i>Potato virus Y</i> race 1.2).	144.00	/	45
PA-R-PIM-4	TMV : 0 (<i>Tobacco mosaic virus</i> race 0).	144.00	/	45
PA-R-PIM-5	PMMoV : 1.2 (<i>Pepper mild mottle virus</i> race 1.2).	144.00	/	45
PA-R-PIM-6	PMMoV : 1.2.3 (<i>Pepper mild mottle virus</i> race 1.2.3).	144.00	/	45
PA-R-PIM-7	TSWV (<i>Tomato spotted wilt virus</i>).	144.00	/	45
PA-R-PIM-8	<i>Meloidogyne incognita</i> .	101.00	/	45
Pea				
PA-R-POI-1	<i>Ascochyta pisi</i> race C.	87.00	/	30
PA-R-POI-2	<i>Fusarium oxysporum</i> f. sp. <i>pisi</i> race 1.	97.00	/	30
PA-R-POI-3	BYMV (<i>Bean yellow mosaic virus</i>).	85.00	/	30
PA-R-POI-5	<i>Erysiphe pisi</i> .	144.00	/	30
PA-R-POI-4	PEMV (<i>Pea enation mosaic virus</i>).	85.00	/	30
Potato				
PA-R-POM-1	<i>Globodera pallida</i> ⁴⁰ (counting of eggs and larvae for resistant varieties. Directive 2007/33/CE).	726.00	/	8
PA-R-POM-3	<i>Globodera rostochiensis</i> ⁴⁰ (counting of eggs and larvae for resistant varieties. Directive 2007/33/CE).	700.00	/	8
PA-R-POM-5	Foot test <i>Globodera pallida</i> ⁴⁰ (miniaturised test: 4 tubercules).	41.30	/	8
PA-R-POM-6	Foot test <i>Globodera rostochiensis</i> ⁴⁰ (miniaturised test: 4 tubercules).	41.30	/	8
Tomato				
PA-R-TOM-8	<i>Stemphylium</i> spp.	140.00	/	45
PA-R-TOM-1	<i>Verticillium dahliae</i> .	140.00	/	45
PA-R-TOM-2	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 0.	140.00	/	45
PA-R-TOM-3	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 1.	140.00	/	45
PA-R-TOM-4	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 2.	140.00	/	45
PA-R-TOM-5	<i>Fulvia fulva</i> (<i>Passalora fulva</i>) race 0.	140.00	/	45
PA-R-TOM-6	<i>Fulvia fulva</i> (<i>Passalora fulva</i>) race 2.4.5.	140.00	/	45
PA-R-TOM-7	<i>Fusarium oxysporum radices</i> f. sp. <i>lycopersici</i> .	140.00	/	45
PA-R-TOM11	TMV: 0 (<i>Tobacco mosaic virus</i> race 0).	138.00	/	45
PA-R-TOM12	TMV: 1 (<i>Tobacco mosaic virus</i> race 1).	138.00	/	45
PA-R-TOM13	TMV: 2 (<i>Tobacco mosaic virus</i> race 2).	138.00	/	45
BI-D-GENR	Detection of markers linked to resistance genes Gene Tm1 (Resistance to the Tomatovirus: TMV).			Contact BioGEVES
BI-D-GENR	Detection of markers linked to resistance genes Tm2 and Tm2 ² genes (Resistance to the Tomatovirus: TMV).			Contact BioGEVES
PA-R-TOM10	TSWV (<i>Tomato spotted wilt virus</i>).	138.00	/	45
PA-R-TOM14	<i>Meloidogyne incognita</i> .	96.00	/	45
PA-R-TOM15	<i>Pseudomonas syringae</i> pv. <i>tomato</i> .	74.00	/	45
PA-R-TOM16	<i>Pyrenochaeta lycopersici</i> .	319.00	/	45
PA-ID-PF	Identification of the race of <i>Passalora fulva</i> .	247.00	/	/
Tomato rootstock				
PA-R-TPG-1	<i>Verticillium dahliae</i> .	142.00	/	90
PA-R-TPG-2	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 0.	142.00	/	90
PA-R-TPG-3	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 2.	142.00	/	90
PA-R-TPG-4	<i>Fulvia fulva</i> (<i>Passalora fulva</i>) race 0.	142.00	/	90
PA-R-TPG-5	<i>Fulvia fulva</i> (<i>Passalora fulva</i>) race 0.	142.00	/	90
PA-R-TPG-6	<i>Fulvia fulva</i> (<i>Passalora fulva</i>) race 2.4.5.	142.00	/	90
PA-R-TPG-7	<i>Fusarium oxysporum radices</i> f. sp. <i>lycopersici</i> .	142.00	/	90
PA-R-TPG-8	<i>Stemphylium</i> spp.	142.00	/	90
PA-R-TPG10	TSWV (<i>Tomato spotted wilt virus</i>).	140.00	/	90
PA-R-TPG11	TMV: 0 (<i>Tobacco mosaic virus</i> race 0).	140.00	/	90
PA-R-TPG12	TMV: 1 (<i>Tobacco mosaic virus</i> race 1).	140.00	/	90

Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.

Tomato rootstock

PA-R-TPG13	TMV: 2 (<i>Tobacco mosaic virus</i> race 2).	140.00	/	90
PA-R-TPG14	<i>Meloidogyne incognita</i> .	96.00	/	90
PA-R-TPG15	<i>Pseudomonas syringae</i> pv. <i>tomato</i> .	76.00	/	90
PA-R-TPG16	<i>Pyrenochaeta lycopersici</i> .	310.00	/	90

Genotyping by molecular biology

Cabbage, Strawberry, Lettuce, Pea, Radish

BI-G-BM-SSR-CID	Varietal identity control.			Contact BioGEVES
BI-G-BM-SSR-PUR-90	Varietal purity analysis.			Contact BioGEVES

Technological quality: biochemical tests

Cabbage, Radish, Other Brassicaceae

BI-B-HPLC-GLU	Glucosinolate content (HPLC method).			Contact BioGEVES
BI-B-CPG-AG	Fatty acid composition (CPG method).			Contact BioGEVES

Capsicum/Pepper

BI-B-HPLC-CAP	Capsaicin and dihydrocapsaicin content (capsaicinoids) (HPLC method).			Contact BioGEVES
---------------	-----------------------------------------------------------------------	--	--	------------------

Pea

BI-B-SPEC-FAT	Antitrypsic factors (assay by spectrophotometry).			Contact BioGEVES
---------------	---------------------------------------------------	--	--	------------------

Field Bean, Pea

BI-B-NIRS-P	Protein content (NIRS).			Contact BioGEVES
-------------	-------------------------	--	--	------------------

Field test by SEV

SEV-DHS-POTMAJ1	Cucumber, Lettuce, Melon, Pepper, Tomato Cycle 1.	1630.00	/	/
SEV-DHS-POTMAJ2	Cucumber, Lettuce, Melon, Pepper, Tomato Cycle 2.	1570.00	/	/
SEV-DHS-POTMIN1	Other vegetables species Cycle 1.	1110.00	/	/
SEV-DHS-POTMIN2	Other vegetables species Cycle 2.	1050.00	/	/

PUBLICATIONS (only in French)

Germination methods sheets

VIG-2-M	Vigour testing methods – Conductivity - Pea .	7.00	/	/
---------	------------------------------------------------------	------	---	---

Germination analysis technical sheet

GE-T-CAR	Technical sheet for evaluation of Carrot seedlings.	27.90	/	/
GE-T-CHOU	Technical sheet for evaluation of Cabbage seedlings.	27.90	/	/
GE-T-HAR	Technical sheet for evaluation of Bean seedlings.	27.90	/	/
GE-T-LAI	Technical sheet for evaluation of Lettuce seedlings.	27.90	/	/
GE-T-OIG	Technical sheet for evaluation of Onion seedlings.	27.90	/	/
GE-T-POI	Technical sheet for evaluation of Pea seedlings.	27.90	/	/
GE-T-RAD	Technical sheet for evaluation of Radish seedlings.	27.90	/	/
GE-T-TOM	Technical sheet for evaluation of Tomato seedlings.	27.50	/	/

Analysis of specific purity and enumeration technical sheet

AP-C-8	<i>Pisum sativum</i> , <i>Vicia faba</i> .	27.90	/	/
AP-C-12	<i>Cicer arietinum</i> .	27.90	/	/
AP-C-13	<i>Allium</i> sp. (<i>Allium cepa</i> , <i>Allium porrum</i> , <i>Allium schoenoprasum</i>).	27.90	/	/
AP-C-14	Solanaceae. (<i>Solanum lycopersicum</i> , <i>Solanum melongena</i> , <i>Capsicum annuum</i>).	27.90	/	/
AP-C-15	<i>Daucus carota</i> , <i>Petroselinum</i> sp.	27.90	/	/
AP-C-16	Cucurbitaceae. (<i>Curcubita</i> spp., <i>Cucumis</i> spp., <i>Citrullus lanatus</i>).	27.90	/	/

		Price	Duration	Size
Identification data sheet of seeds and other impurities				
AP-A-06	Asteraceae (<i>Anthemis arvensis</i> , <i>Glebionis segetum</i> , <i>Chicorium</i> sp., <i>Tripleurospermum inodorum</i> , <i>Helminthotheca echioïdes</i> , <i>Lapsana communis</i> , <i>Lactuca sativa</i> , <i>Sonchus</i> spp., <i>Cirsium arvense</i> , <i>Cirsium vulgare</i> , <i>Centaurea cyanus</i>).	27.90	/	/
Collection of seeds				
APCS-PIS-S	Seeds collection - Weed's identification for <i>Pisum sativum</i> and <i>Vicia faba</i> analysis.	199.00	/	/
APCS-VEG	Seeds collection - Weed's identification for Vegetables analysis.			Contact SNES

Micro-cleaning

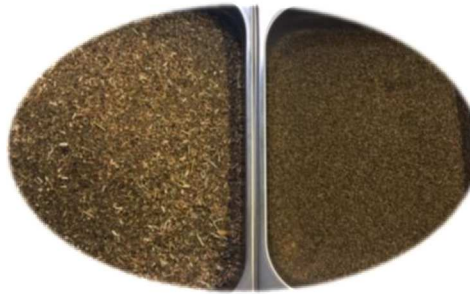
Micro-cleaning of seed lots consists in determining the percentage of waste in raw seed lots, from a harvest, using sorting machines, laboratory replicates of industrial machines.

This activity enables the establishment of an optimal sorting diagram for the seed lot. It is an essential step in defining the industrial process for quality sorting in the factory, whatever the species. Moreover, the commercial value of a lot is estimated through precise knowledge of its quality.

HOW IT IS DONE ?

Each species has his own morphological characteristics. Each morphological characteristic is associated with a sorting device, which settings are adjusted very precisely.

The complete sorting of a seed lot is carried out on a sorting line composed of several sorting machines ensuring complementarity on many criteria. In order to achieve the defined standards, the knowledge of characteristics, the expertise and the know-how of operators are essential.



Sorting on a raw batch of carrot before/after micro-cleaning

EQUIPMENTS

The SNES owns 20 different types of equipment in order to clean every types of seeds. Our training and expertise contribute to producing quality sorting, representative of the work provided in the factory. After the various sorting operations, analyses of specific purity and germination capacity can also be carried out at the SNES to ensure the quality of the seed lot.

Requests for information or analyses: contact.mn@geves.fr

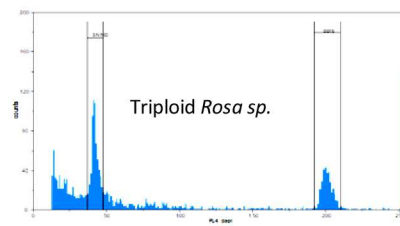
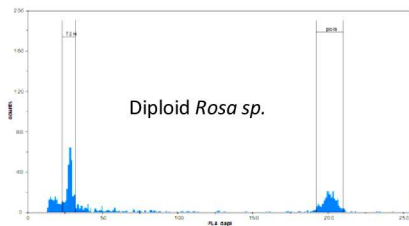
Evaluation of ploidy level from plants or seeds.

Cytology analyses carried out in the SNES aim to determine the level of ploidy by chromosome counting of root meristematic cells and/or flow cytometry. Ploidy defines the number of chromosome copies of a cell. The level of ploidy is characteristic of the species or variety. These analyses can be carried out from seeds or from plants on many species.

FLOW CYTOMETRY

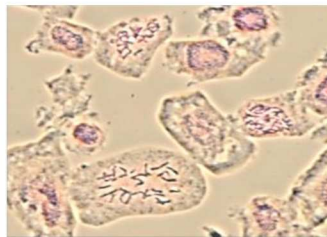
Flow cytometry is a technique based on the marking of DNA with fluorochromes. The cytometer allows a precise measurement of the amount of fluorescence emitted by the cells after marking and excitation by a light beam. The measurement of the quantity of fluorescence emitted will then be compared to a control with a known level of ploidy. This will allow to conclude on the ploidy level of the tested sample.

Flow cytometry is mainly used to determine the level of ploidy of a series of plants and variety. In some cases, flow cytometer is also used to identify species with a very similar morphology or mutilated or poorly formed seeds.

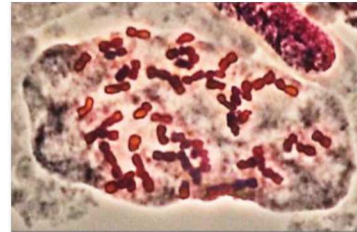


MICROSCOPY

Chromosomal counting by microscopy is a technique that also makes it possible to define the level of ploidy. This is an essential step for species that do not have a reference for cytometry. Chromosome counting is carried out on meristematic root cells whose mitotic division has been blocked at the metaphase stage. The chromosomes are then observed and counted using a phase contrast microscope.



Metaphase cells of *Festulolium*



Metaphase cells of *Gardenia*

Requests for information or analyses: contact.cyto@geves.fr

Radiography 2D and tomography

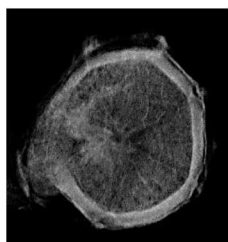
Tools for evaluating seed quality.

WHY USE 2D OU 3D RADIOGRAPHY?

Radiography allows the internal morphology of seeds to be visualised. The objective is to understand or predict problems of physical or germinative quality. This tool also allows the phenotyping of precise characters of interest according to the demand.

WHAT IS THE DIFFERENCE BETWEEN 2D RADIOGRAPHY AND TOMOGRAPHY?

2D radiography is a non-destructive method that allows rapid observation of different criteria on seeds (physical damage, empty seeds, insect damage, etc.). This technology allows a qualitative diagnosis of the state of the internal morphology. The Physical Analysis laboratory is ISTA accredited for these analyses.



Empty seed



Physical damages



Insect damages

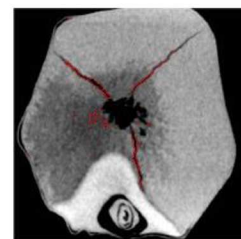
3D radiography (tomography) is a technology whose method consists of generating a 3D image of the internal structure of an object. This tool applied to seeds allows the measurement of different characteristics and very precise quantitative data to be obtained. The possible applications are diverse: characterisation of genotypes/varieties/batches, quantification of pathogen/insect damage, physical damage...



Evaluation of the quality of the coating



Quantification of insect damages



Quantification of cracks on a Corn seed

		Tariff
RX-IS-02	2D radiography on seeds without interpretation (per digital image).	22 €
RX-SUP-01	2D X-ray image interpretation for the determination of empty/full seeds or the detection of insect/physical damage (%).	14 €
RX-SUP-02	2D X-ray image interpretation for a particular determination or for specific measurements.	bea-tomographe@geves.fr
TOMO	For any request for information or analysis in 3D tomography: - Measurements of coating characteristics; - Insect damage detection and associated volume measurements; - Measurement of internal seed constituents ; - Measurement of seed filling rate; - Detection and measurement of mechanical cracks and other damage ; - Other measures of interest.	bea-tomographe@geves.fr

Biostimulation, Biocontrol, evaluation of treatment

GEVES provides its expertise for the characterization and evaluation of the effect of your treatments applied to seeds, seedlings or plants.



Whether for biocontrol or biostimulant products, physical or chemical treatments, GEVES proposes to support you in the development of suitable evaluation methodologies and/or to carry out tests under controlled conditions. For in vitro and/or in vivo screening, or for the evaluation of disinfection, protection, stimulation or phytotoxicity effects of your innovative products or technologies, test the impact of your treatments in preventive and/or curative application.

SNES does not supply seeds or products. The sample size to be provided is 1000 seeds per modality for selectivity and effectiveness assays. If only effectiveness trials are required, the sample size will be determined in relation to the project and the initial request.

APPLICATION OF PRODUCTS ON SEEDS

Treatment of seeds is possible depending of the type of treatment and use. For more information please contact SNES.

Depending on the quantity of seeds to be treated and the formulation of the product, 3 different tools can be used: Orbital agitator (20g, liquid formulation); Hege bowl (500g); Satec Concept treatment machine (up to 2 kg).

		Price
GE-APPLI	Application of a seed treatment product by SNES in the case of a treatment evaluation.	40.00

SELECTIVITY TESTS

To check the selectivity of a treatment, the germination test should be determined on 400 seeds.

		Price
GE-FG-18-4	Vegetables.	55.00
GE-FG-01-4	Cereals.	43.40
GE-FG-17-4	Oilseeds.	46.40

EVALUATION OF TREATMENTS FOR SEED AND PLANT PROTECTION

		Contact
PA-EVAL-CHI	Evaluation of phytochemical products.	geoffrey.orgeur@geves.fr
PA-EVAL-BIO	Evaluation of biocontrol products and physical treatment.s	

Few examples of controlled pathosystems⁴

	<i>Fusarium</i> spp. (<i>Fusarium graminearum</i> , <i>Fusarium avenaceum</i> , <i>Fusarium culmorum</i>).
Wheat	<i>Tilletia caries</i> .
	<i>Microdochium nivale</i> .
	<i>Puccinia striiformis</i> , <i>Puccinia triticina</i> .
Maize	<i>Fusarium graminearum</i> .
	<i>Fusarium verticillioides</i> .
Sunflower	<i>Plasmopara halstedii</i> .
Rapeseed	<i>Plasmodiophora brassicae</i> .
Beet	<i>Aphanomyces cochlioides</i> , <i>Pythium</i> sp.

⁴ Controlled and available pathosystems presented in evaluation of varieties as well as in seed health quality are all adaptable for evaluation of treatments.

EVALUATION OF BIOSTIMULANT PRODUCTS FOR GERMINATION AND/OR SEEDLING GROWTH

Two types of trials can be performed either under favourable conditions for the plant species (i.e. those applied in selectivity trials), or under penalizing conditions (i.e. abiotic stress).

		Price / Contact
Monitoring of seed germination on 200 seeds		
GE-EG	Germination energy (intermediate count; in addition to germination capacity). ccounting dates for energy vary according to the species.	16.90
GE-CI	Germination kinetics by image analysis (average rate of germination, kinetic curve).	sylvie.ducournau@geves.fr
Seedling development tests		
GE-RAC	Corn root length evaluation after 7 days germination at 15°C (4 replicates of 20 seeds).	65.00
GE-ELON	Growth kinetics by image analysis (Eloncam bench).	sylvie.ducournau@geves.fr
Screening in partnership with Screenseed		
GE-CRI	Automated screening in microplate (96 wells) for the evaluation of treatments on seed germination.	sylvie.ducournau@geves.fr

A multidisciplinary team composed of qualified experts, member of the private-public Biocontrol consortium, GEVES develops new, internationally recognised methods, and participates in numerous research programs.

Disease test supplies : inoculum and reference material

Pests of GEVES' price list, as well as pests that cause major diseases of straw cereals can be supplied (complete list on www.geves.fr). The specific preparation of isolate can also be made in the form of inoculum or artificially contaminated seeds.

Warning: For the handling of quarantine pests (regulation 2016/2031), laboratories must be approved by plant protection services (Decree 97-857 of 12/09/1997).

Specifics preparations of inoculum of pests

		Price	Duration	Size
Specific preparation of a suspension of <i>Ditylenchus dipsaci</i> larvae				
PA-AD-DIT	Specific preparation of <i>Ditylenchus dipsaci</i> larvae (exemple of price: 1270€ to inoculate 9000 plants).			Contact SNES
Specific preparation of viruliferous aphids carrying the beet yellowing virus BChV (Beet chlorosis virus)				
PA-AD-MYZ	NEW Specific preparation of beet seedlings contaminated with aphids <i>Myzus persicae</i> carrying BChV (<i>Beet chlorosis virus</i>).			Contact SNES
Other isolates and inoculum				
PA-AD-ROU2	Specific preparation of one tray of 140 seedlings infected by a race of stripe/yellow rust (<i>Puccinia striiformis</i>): contact SEV.	102.00	/	/
PA-AD-ROU	Specific preparation of 100 mg of a vial of spores of stripe rust (<i>Puccinia striiformis</i>) or brown rust (<i>Puccinia recondita</i>) or crown rust (<i>Puccinia coronata</i>).	47.00	/	/
PA-AD-INOC	Inoculum supplied in Petri.			Contact SNES
PA-AD-INOP	Inoculum supplied in cotyledons, plants or fresh leaves contaminated.			Contact SNES
PA-AD-INOG	Inoculum supplied in grains artificially contaminated that have lost germination capacity or artificially contaminated seeds that have maintained a germination capacity.			Contact SNES
PA-AD-INOL	Inoculum supplied in liquid suspension.			Contact SNES
PA-AD-GLO	Specific preparation of kyste of <i>Globodera pallida</i> ⁴⁰ or <i>Globodera rostochiensis</i> . ⁴⁰			Contact SNES
PA-AD-HET	Specific preparation of kyste of <i>Heterodera schachtii</i> .			Contact SNES

Reference material for disease tests

		Price	Duration	Size
Specific preparation of germinated sunflower seeds contaminated by <i>Plasmopara halstedii</i>⁴⁰ (downy mildew)				
PA-AD-TOU2	From 51 to 100 seeds.	125.00	/	/
Specific preparation of lettuce seedlings infected with <i>Bremia lactucae</i>				
PA-AD-BREM	1 race of <i>Bremia lactucae</i> , 30 cotyledons in the test period.	125.00	/	/
Specific preparation of <i>Erysiphe pisi</i>				
PA-AD-ERYS	NEW Specific preparation of <i>Erysiphe pisi</i> , 2 seedlings with presence of sporulation.	125.00	/	/
Specific preparation of melon cotyledons infected by Powdery mildew				
PA-AD-GOL	Specific preparation of 2 cotyledons infected by 1 race of <i>Golovinomyces cichoracearum</i> .	125.00	/	/
PA-AD-POD	Specific preparation of 2 cotyledons infected by 1 race of <i>Podosphaera xanthii</i> .	125.00	/	/
Specific preparation of lettuce seedlings infected with <i>Nasonovia ribisnigri</i> race Nr: 0				
PA-AD-NAS	2 seedlings with presence of apterae.	125.00	/	/
Other isolates and inoculum				
PA-AD-FOU	Specific preparation of reference isolate in Petri dishes (2 dishes/strain), in Bos (1g).	112.00	/	/
PA-AD-MP	Specific preparation of 5g of galls of <i>Meloidogyne incognita</i> (for inoculation of 15 to 20 plantlets) or of 5g of galls of <i>Plasmodiophora brassicae</i> (for inoculation of 50 to 100 plantlets).	125.00	/	/
Controls/differential hosts vegetables (MATREF) for one sowing unit (1g for <i>Bremia</i>, 200 seeds for other pathogens)				
PA-HD-BLAI	Complete pack of differential hosts for <i>Bremia</i> of Lettuce .	310.00	/	/
PA-HD-CAR	Controls and differential hosts for the Carrot .	41.70	/	/
PA-HD-COU	Controls and differential hosts for the Squash .	73.00	/	/
PA-HD-PAS	Controls and differential hosts for the Watermelon .	73.00	/	/
PA-HD-HAR	Controls and differential hosts for the Bean .	57.00	/	/
PA-HD-LAI	Controls and differential hosts for the Lettuce .	57.00	/	/
PA-HD-MAC	Controls and differential hosts for the Corn salad .	41.70	/	/
PA-HD-MEL	Controls and differential hosts for the Melon .	73.00	/	/
PA-HD-PIM	Controls and differential hosts for the Capsicum .	83.00	/	/
PA-HD-POI	Controls and differential hosts for the Pea .	57.00	/	/
PA-HD-TOM	Controls and differential hosts for the Tomato .	73.00	/	/

Disease test supplies : inoculum and reference material

Reference material for disease tests

		Price	Duration	Size
Controls/diferential hosts vegetables (MATREF) for one sowing unit (1g for Bremia, 200 seeds for other pathogens)				
PA-HD-PGTO	Controls and differential hosts for the Tomato Rootstock .	83.00	/	/

INTER-LABORATORY COMPARATIVE TESTS

Inter-laboratory comparative tests enables comparison between laboratories or methods in different laboratories. For more information, visit our website www.geves.fr.

The organisation of comparative tests includes planning and delivery of documents to participants, preparation of samples, definition of a reference, interpretation of results and provision of a final report.

The price per sample is based on 15 participants for the same assess.

Not included the provision of seeds cost (billed at actual price), and the shipment cost (billed on the basis of a Chronopost shipment).

Inter-laboratory proficiency tests – EILA & Other comparisons

	Price	Contact
Purity – All species.	162.00	
Germination – All species.	110.00	
Moisture content – All species.	70.00	
Thousand-seed weight – All species.	64.00	Fabienne BRUN
Organisation of inter-laboratory comparisons tests on request.	Quotation	eil.semences@geves.fr
Provision of reference samples for internal laboratory control.	Quotation	
Expertise in the case of atypic results on seeds assay or deviation found (control card for recognized laboratories)	Quotation	

AUDITS

According to various standards (ISTA, ISO 17025 recognition in the context of certification), laboratory audits can be carried out to analyse your organisation.

One-day audit includes an analysis of a pre-audit file, the performance of the audit as well as the audit report.

Contact : Pierre SOUFFLET or Thibaut DECOURCELLE (audit.semences@geves.fr).

REFERENCE MATERIALS AND DOCUMENTS SUPPLIES (available only in French)

Find all our publications and reference materials in the different chapters of the price list and on our website www.geves.fr.

TRAININGS - EXPERTISES

For any request for training or expertise please send an email to the contact below (the email adress is made by : firstname.surname@geves.fr)

	Contacts
Technical training with SNES.	Fabienne BRUN
Seed quality analysis, inter or in-company, at SNES or on-site.	formation.semences@geves.fr
Technical training with BioGEVES.	biogeves.analyses@geves.fr
Technical training with SEV.	Rachel TESSIER
For International expertise.	Kaat HELLYN

OUR PUBLICATIONS • AND REFERENCE MATERIAL

Reference Collections



Technical Data



Seed Control Kit



More information at www.geves.fr

Contact : Inr.semences@geves.fr



Groupe d'Étude et de contrôle
des Variétés Et des Semences

Terms and Conditions

Article 1 – General Information

The present general terms and conditions of sale apply for services which appear in the GEVES price list (Variety and Seed Study and Control Group), public interest group governed by the law n° 82-610 of July 15, 1982, the decree n°2012-91 of January 26, 2012 repealing Decree n° 83-204 of March 15, 1983 and the constitutive convention of July 17, 1989, having made the object of an approval order dated July 17, 1989 and its modified constitutive convention of April 17, 2014 whose head office is located 25 rue George Morel, CS 90024, 49071 Beaucouzé Cedex FRANCE.

The main official missions of GEVES are to conduct studies or analyses of:

- characterization and/or identification of varieties,
- agronomic quality of varieties,
- physical, physiological and sanitary control of seed.

Article 2 - Object and field of application

The analyses carried out within the framework of any order are in accordance with the present general terms of sale.

The placing of an order implies full acceptance of these general terms of sale which prevail on any other document of the customer, unless otherwise agreed between the customer and GEVES.

Geves reserves itself the right to modify the present general terms of sale.

Article 3 - Orders

3-1) Order taking

The orders are definitive only when the present general terms of sale are full accepted by the legal representative of the customer or any person duly appointed for that purpose.

The customer has to respect the terms of the supply of material described in the GEVES price list.

3-2) Modification of the order

The terms of the orders transmitted to GEVES are irrevocable for the customer, except written acceptance from GEVES. On this assumption, GEVES will not be held anymore by the deadlines agreed upon at the moment of the initial order.

3-3) Refusal of order

If a customer places an order to GEVES, without having carried out the payment of preceding orders despite reminder from GEVES, GEVES can repudiate the order, without the customer being able to claim any allowance, whatever the reason.

GEVES reserves itself the right to refuse any order.

Article 4 - Delivery of the results

4-1) Delivery time

The delivery time of the results are given only on a purely informative and indicative basis; those depending in particular on arrival of the orders, the respect of the conditions of preparation of the samples sent by the customer (weight, number, packing for example), request for more information, or complementary analyses. For each service, useful information is available on the GEVES website (www.geves.fr). In any assumption, the delivery within the deadlines can intervene only if the customer is up to date of his obligations with GEVES. GEVES shall endeavor to meet agreed deadlines with the customer.

Delays of delivery of results cannot lead to any penalty or allowance, nor to justify the cancellation of the order.

4-2) Terms

The delivery of the results is made by paper form or by electronic way.

4-3) Complaints

The complaints are to be forwarded to the customer service of GEVES whose contacts appear in the GEVES price list. GEVES acknowledges to the customer the receipt of the complaint, deals with it and defines an appropriate treatment as soon as possible. GEVES shall inform the plaintiff of the progress of the claim and the conclusions.

Article 5 - Return

Except explicit indication of the customer validated by the customer service of GEVES whose references are indicated on the GEVES price list, no material submitted for analysis will be returned to the customer.

Article 6 - Guarantee - Liabilities

6-1) Scope

GEVES provides services. As such, GEVES is under the obligation of best effort. It could not be held responsible for non-satisfactory results from the point of view of the customer, for causes of which it does not have the control. GEVES will have, if necessary, to issue reserves on the results.

6-2) Exclusions

If the elements provided by the customer do not allow the fulfillment of the ordered service, GEVES will inform the customer. If this situation persists, the liability of GEVES could in no way be required.

In particular, GEVES could not be held responsible for sampling (except for Orange ISTA Certificates for which GEVES is responsible for sampling), the collecting, the conditioning and the transport of the samples, which is the customer's entire liability. Moreover, the samples received at GEVES shall be in good condition of conservation and shall not present identified risk for the staff of GEVES or for the environment.

When a phytosanitary treatment has been applied, the customer shall inform GEVES.

The customer waives all right to take any action against GEVES for all losses or all direct or indirect damages resulting from the services, as well as in the situation where the services of GEVES would be unsuitable for the uses of the customer.

Article 7 - Tariff - Price

The rates applied to the orders are those indicated in the GEVES price list, unless particular conditions negotiated with GEVES.

Any order made on the basis of a quotation established by GEVES will be taken into account only after signature of the quotation, by the legal representative of the customer or any person duly elected for that purpose.

Prices are indicated exclusive of VAT, based on current rates and will be increased by current taxes of all types on the invoicing date.

Amounts are indicated in Euros. Payments should be made in Euros.

The transport fees of the samples provided to GEVES for analysis are always at the charge of the customer.

Article 8 - Invoicing

Any order, even if it is cancelled during the execution of the service, will give rise to an invoice. Elements of identification of the customer and ordered services are indicated on the invoices. The customer service of GEVES whose references appear in GEVES price list can be contacted for any question related to the invoice.

Article 9 - Payment

9.1 – Time for payment

The maximum payment time is 60 days from the date of emission of the invoice.

9.2 – Terms

The payments shall be made:

- by French postal or bank check or credit or postal transfer addressed to: GEVES, 25 rue George Morel, CS 90024, 49071 Beaucouzé Cedex FRANCE
 - by signed and accepted draft or promissory note.
- GEVES does not authorize any discount for cash payment or on a former date to those resulting from these general terms of sale.

9.3 - Delay of payment

Any sum still not paid at the due date by the customer will give rise to the payment of penalties at the rate of the European Central Bank plus 10 points and a lump sum of 40 Euros for recovery costs in compliance with Decree n° 2012-1115. These penalties are payable automatically without prior notice from GEVES on the date following the due date. Moreover, GEVES reserves itself the faculty to apply to the competent court of law to stop this non-fulfillment, under penalty per day of delay.

Article 10 - Confidentiality - Rights of ownership

GEVES guarantees the confidentiality of the results of analysis, unless the detection of a quarantine pathogen. Under such circumstances, GEVES has to communicate immediately to the qualified services of the ministry in charge of agriculture all information relating to the material in which the quarantine pathogen was identified.

This exception also applies to other situations, such as the detection of fortuitous presence of GMO, if the regulation in force imposes to GEVES to communicate information to the qualified services of the French State.

The results provided by GEVES can in no way being modified, reproduced or diffused even in a partial way, to third party, without the preliminary authorization of GEVES. Duplicates can be obtained on request at the customer service of GEVES whose references are indicated on GEVES price list.

Article 11 Personal data

For any processing of personal data carried out in connection with this Agreement, the Parties shall comply with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, as transposed into French Law No 2018-493 of 20 June 2018.

Each Party represents and warrants to the other Party that it will strictly comply with GDPR for any processing of personal data in connection with this Quotation.

Personal data collected and processed by the Parties in the context of this contractual relation are necessary for its execution (legal basis). They are kept for a period of 10 years (retention period) from the date of the end of the Quotation.

Article 12 - Force majeure

The emergence of a case of force majeure causes the suspension of the execution of the obligations of GEVES.

Article 13 - Attribution of jurisdiction

For all disputes relating to the services carried out by GEVES, including those relatives to the interpretation of the general terms of sale, the jurisdictions of Angers shall be qualified.

Article 14 - Applicable law

The present general terms of sale, and any question which it would omit to treat, shall be exclusively governed by the French law.

By appending his signature on quotation or by ticking the box "I hereby acknowledge that I have read and accept in full the general terms of sale" in case of order by internet on GEVES website, the customer:

- recognizes and accepts without reserve the present general terms of sale and that those will apply to all the further orders until communication of new general terms of sale by GEVES,
- declares that he has read and accepts them,
- waives its own purchasing conditions.



GEVES
Expertise & Performance

**Groupe d'Étude et de contrôle
des Variétés Et des Semences**

Visit our website:
www.geves.fr

