GEVES PRICE LIST 2020

Variety and Seed Study and Control Group

GEVES

Expertise & Performance

www.geves.fr

GEVES

Expertise & Performance

SUMMARY

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).

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

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.

ORGANISATION

GEVES
Expertise & Performance

- **SEV** Variety Study Department
- **BioGEVES** Molecular Biology and Biochemistry Laboratory
- **SNES** National Seed Testing Station
- **DAAT** Management of Technical Support Activities

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)

afaq ISO 9001 Qualité AFNOR CERTIFICATION
Processus VATE et BioGEVES

INTERNATIONAL SEED TESTING ASSOCIATION
ISTA ACCREDITED
LABORATORY FRDL0200

cofrac ESSAIS
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.

Agréé CIR — AGRÉÉ CRÉDIT D'IMPÔT RECHERCHE — Agréé CIR

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 physical and physiological quality testing, if no species are specified, the COFRAC accreditation covers the following ISTA species groups:

1 – Grasses
2 – Cereals
4 – Pulses
5 – Other agricultural species
6 – Vegetables, including fruits, spices and condiments
8 – Flower species

The ISTA accreditation covers the same groups, together with:

3 – Small legumes
7 – Forest species

New tests are indicated with the symbol .

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 symbol.

Place an order

Seed quality testing
SNES

ORDER YOUR ANALYSES ONLINE

http://dsn.geves.info

- Enter your order
- Print the order summary and attach it to 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 ANALYSES ONLINE

biogeves.analyses@geves.fr

SEND YOUR ORDER VIA POST

- Send the sample to:

Detection Unit

BioGEVES
25 rue Georges Morel - 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

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SNES Management

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SNES Customer Services

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• Online ordering - DSN	Virginie Bettker	+33 (0)2 41 22 58 21

SNES Technical Contacts

Head of Physical Analysis Laboratory
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• Radiography 2D/3D	Sherif Hamdy	+33 (0)2 41 22 58 30
• Purity, micro-cleaning	Philippe Pannetier	+33 (0)2 41 22 58 43
• Water content	Céline Herbert	+33 (0)2 41 22 58 30
• Cytology	Béatrice Billy	+33 (0)2 41 22 58 31

Head of Germination Laboratory
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• Floral, vegetable, woody, pulses and forest species	Valérie Blouin	+33 (0)2 41 22 58 78
• Beetroot, vegetable, forage grasses	Pierre Soufflet	+33 (0)2 41 22 58 82
• Agricultural crop species	Philippe Garreau	+33 (0)2 41 22 58 77

Head of Pathology Laboratory
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• Seed health	Isabelle Serandat	+33 (0)2 41 22 58 54
• Variety resistance	Sophie Perrot	+33 (0)2 41 22 58 58
• Seed treatment evaluation	Geoffrey Orgeur	+33 (0)2 41 22 58 56

BioGEVES

Contact the Head of Unit:

BioGEVES

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SEV

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(field trials)

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

Technical Information

Providing 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 baceteriology, virology, and dust quantification tests. If this information is not procided, it will be invoiced.
- Type and no. of certificates. If not indicated, a SNES results certificate will be issued.
- Analysis of the entire sample must be indicated if the quantity provided is less than the quantity requested (please give in no. of seeds unless otherwise stated).

Sample sizes are established according to seed regulation in order to guarantee the quality of the results. If the quantity suppplied is less than the size or quantity requested, the analyses will be carried out on all seeds supplied (after your prior approval).

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.

The protocols listed in this price list are those in force at the time of publishing. Updates are available on the online version of this price list which can be found on our website www.geves.fr.

PHYSICAL QUALITY TESTS

Provide the minimum weight prescribed in the ISTA Rules, Table 21 Column 3.

Our tests all follow ISTA methods.

Determination: If you are requesting several determination analyses on the same sample, please provide the necessary quantities for these analyses.

GERMINATION TESTS

Our tests all follow ISTA methods.

Germination test: The test is carried out on a sample of 400 seeds in accordance with the "Germination Tests" chapter of 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).

Seeds do not undergo fungicide treatment before the germination test (except for beetroot or on specific request). If requested, this treatment will be invoiced.

	Quantities in number (paper) or in weight (Sand/Organic growing media) Retest included in quantities				
	Top of paper	Rolled towel	Pleated paper	Sand	Organic growing media
GE-SUB-1	20	12	12	10 Kg	8 Kg
GE-SUB-2	20	10	10	1 Kg	1 Kg
GE-SUB-3	16	10	2	1 Kg	1 Kg
GE-SUB-4	96	16	16	12 Kg	10 Kg

Technical Information

Providing samples to the SNES

SANITARY QUALITY TESTS

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

For OIC request, an ISTA method will be choose if it exists, and for COFRAC request, the COFRAC accredited method will be choose.

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 *Fusarium roseum* and *Fusarium* sp. are now obsolete. The detection of *Fusarium,* with the exception of identifi cation (PA-ID-FUS), shall be carried out by classifi cation by section. Certain *Fusarium* which are specifi c to a species will still be referred to with the name of the species (e.g. *F. oxysporum* in curcubitis).

Sections correspond to the classifi cation 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).

Ancienne dénomination	Sections actuelles	Principales espèces
Fusarium roseum	*Roseum*	*F. avenaceum*
	Discolor	*F. culmorum, F. graminearum (Gibberella zeae), F.roseum (F. sambucinum), F.crookwellense*
	Arthrosporiella	*F. incarnatum (Fusarium semitectum)*
Fusarium sp.	*Sporotrichiella*	*F. poae, F. tricinctum (Gibberella tricincta), F. sporotrichioides, F.langsethiae*
	Gibbosum	*F. equiseti (Gibberella intricans), F. acuminatum (Gibberella acuminata)*
Fusarium moniliforme	*Liseola ou complexe G. fujikuroi*	*Gibberella fujikuroi (F. verticillioides, F.subglutinans), F. proliferatum*
F. oxysporum	*F. Elegans*	*F. oxysporum*
F. solani	*Martiella - Ventricosum*	*F. solani (Haematonectria haematococca)*

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

- Without superficial disinfection for most species. If a high presence of saprophytes makes it impossible to produce a result, a new test with superficial disinfection will be proposed.

- With superficial disinfection for species that are known to have saprophytes that can comprise 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.

PRELIMINARY OPERATIONS TO LABORATORY TESTING

		Price	Duration	Size
EC-01	Handling of the request per submitted sample and issuing of a definitive SNES certificate.	7.50	/	/
EC-03	Handling of the request per submitted sample and issuing of a definitive SNES certificate (request entered online).	6.50	/	/
EC-02	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 certificate.	34.60	/	/
EC-10	Handling of the sample for treated seeds (BioGEVES).	50.00	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-DEP	Dust removal of an overtreated sample.	18.60	/	/
Thousand-seed weight				
PA-MMS	Thousand-seed weight, if not indicated on the request (bacteriology and virology tests).	28.70	/	/

CERTIFICATES

		Price	Duration	Size
SNES Certificates				
BU-FBSNDE	Original certificate - **French.**	0.00	/	/
BU-ABSNDE	Original certificate - **English.**	0.00	/	/
BU-FBSNPR	Provisional certificate - **French.**	3.50	/	/
BU-ABSNPR	Provisional certificate - **English.**	3.50	/	/
BU-FBSNDU	Duplicate certificate - **French.**	2.50	/	/
BU-ABSNDU	Duplicate certificate - **English.**	2.50	/	/
COFRAC Certificates				
BU-FBCODE	Original certificate - **French.**	6.50	/	/
BU-ABCODE	Original certificate - **English.**	6.50	/	/
BU-FBCOPR	Provisional certificate - **French.**	3.50	/	/
BU-ABCOPR	Provisional certificate - **English.**	3.50	/	/
BU-FBCODU	Duplicate certificate - **French.**	2.50	/	/
BU-ABCODU	Duplicate certificate - **English.**	2.50	/	/
International certificates				
BU-FBIODE	Orange International seed lot certificate - **French.**	7.50	/	/
BU-ABIODE	Orange International seed lot certificate - **English.**	7.50	/	/
BU-FBIBDE	Blue International Seed Sample certificate - **French.**	7.50	/	/
BU-ABIBDE	Blue International Seed Sample certificate - **English.**	7.50	/	/
BU-FBIOPR/ BU-FBIBPR	Provisional international certificate - **French.**	7.50	/	/
BU-ABIOPR/ BU-ABIBPR	Provisional international certificate - **English.**	7.50	/	/
BU-FBIODU/ BUFBIBDU	Duplicate international certificate - **French.**	7.50	/	/
BU-ABIODU/ BU-ABIBDU	Duplicate international certificate - **English.**	7.50	/	/
BU-MENTION	Additional mention to the back of an international certificate.	2.50	/	/
BU-MODIF	Modification of information on an international certificate already delivered (after checking the conformity with ISTA rules).	19.00	/	/
Others				
SCLI-URCL / SCLI-URBI	On specific request, sample treated firstly. If possible, indicate the expected date for result. Any sample sent for ISTA international certificate is tested in priority and will be charged as urgent.	16.00	/	/
BU-DRAP	Duplicates analysis report except photography (BioGEVES).	2.30	/	/
BU-RAP	New edition of result report (BioGEVES).	24.10	/	/
BU-TAB	Specific presentation of results (BioGEVES).	Contact BioGEVES		
BU-TABLEAU	Summary table of results, or specific presentation of results.	27.00	/	/
BU-TABDE	Raw results on .csv file (request must be entered on online).	0.00	/	/

* COFRAC assay

[40] Quarantine parasite

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity				
PU-SP-01	Indication of the number of other seeds in the specific purity test.	15.60	/	/
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).	27.90	/	/
PU-LB-SUP	Supplement for purity analysis if received as raw seeds.	18.50	/	/
Verification of species - Untreated seeds only				
PU-ENR-TOT	Pelleting material removal of the whole purity working sample. (Excluding seed mixture).	47.90	/	/
SP-ENR-TOT	Pelleting material removal and determination of other seed by number on 7500 coated seeds (except *Orobanche* spp. and *Striga* sp. seeds).*	246.00	/	/
SP-ENR2500	Pelleting material removal and determination of other seed by number on 2500 coated seeds (except *Orobanche* spp. and *Striga* sp. seeds).*	83.00	/	/
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 *Orobanche* spp. and *Striga* sp. seeds).*	208.00	/	/
Determination of other seeds (on ISTA weight)				
SP-LI-01	Determination of other seeds limited from 1 to 3 botanical species or other impurities (except for *Orobanche* spp. and small seeds).*	51.00	/	/
SP-LI-02	Determination of other seeds limited from 4 to 8 botanic species or other impurities (except for *Orobanche* spp. and small seeds).*	86.00	/	/
SP-LI-20	Determination of other seeds limited > 8 botanic species or other impurities (except for *Orobanche* spp. and small seeds).*	Contact SNES		
Determination of other seeds				
SP-ORO	Determination of *Orobanche* spp. seeds on ISTA weight. **Provide sorted out sample in separated sachets.**	64.00	/	/
SP-STRIGA	Determination of *Striga* sp. seeds on ISTA weight. **Provide sorted out sample in separated sachets.**	64.00	/	/
SP-LB-SUP	Supplement for determination of other seeds if received as raw seeds.	33.30	/	/
Thousand-seed weight				
MMS-01	Thousand-seed weight on pure seeds* in addition of purity test.	28.70	/	/
PU-PR-MMS	Preparation of pure seeds for thousand-seed weight.	16.60	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
TE-SN-SUP	Supplement for moisture content if received as raw seeds.	16.00	/	/
Radiography				
RX-IS-02	Radiography of 50 seeds without interpretation (digital radiophotography).	21.70	/	/
RX-SUP-01	Supplement for internal morphological characterisation, detection of insect or physical damage on 50 seeds (percentage) by a semi automated procedure.	12.30	/	/
RX–SUP-02	Supplement for a particular determination (other than full/empty, insect damage or physical damage) or for measurable specific traits (diameter ...) carried out on 50 seeds by a fully automated procedure.	10.40	/	/
RX-IS-05	Realisation of digital radiography with micrometric resolution and three-dimensional tomography (3D scanner: 3D visualization or by cuts).	Contact SNES		

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				
GE-FG-DET	Detailed description of seedlings and seeds (in addition to the germination capacity).	35.20	/	1250
GE-FG-PCPL	Percentage of a particular type of seedling (in addition to the germination capacity).	19.80	/	/
GE-FG-REP	Provision of the result of repetitions (in addition to the germination capacity).	11.20	/	/

* COFRAC assay

[40] Quarantine parasite

Physiological quality

		Price	Duration	Size
Additional duration of test (on request)				
GE-FG-7S4	Additional duration of 7 days for a test on 400 seeds.	13.70	/	1250
GE-FG-14S4	Additional duration of 14 days for a test on 400 seeds.	13.70	/	500
GE-FG-7S2	Additional duration of 7 days for a test on 200 seeds.	6.90	/	500
GE-FG-14S2	Additional duration of 14 days for a test on 200 seeds.	13.70	/	500
Verification of species				
GE-ENR	Verification of species after germination test.	7.80	/	/
Tetrazolium viability test - For urgent tests, reception of seeds on Tuesday at the latest.				
GE-TZ-1	Tetrazolium test on 400 seeds.	146.00	/	500
GE-TZ-2	Tetrazolium test on 200 seeds.	93.00	/	300
GE-TZ-3	Tetrazolium test on 100 seeds.	64.00	/	200
Energy				
GE-EG	Germination energy (intermediate counting; germination capacity supplement). The date of counting for the energy varies according to the species.	16.60	/	500
Vigour test				
GE-CO	Cold-test on 400 seeds.	58.00	/	1000
GE-CO2	Cold-test on 200 seeds.	37.10	/	500
GE-VIEI-2	Accelerated ageing of 200 seeds including germination capacity.	76.00	/	500
GE-DET-1	Controlled deterioration of 200 seeds including germination capacity.	76.00	/	500
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species.* 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 like test TE-SN-01.	47.30	/	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.	15.80	/	/
Substrate checks				
GE-SUB-1	Determination of the water holding capacity of a substrate.	78.00	/	See p.8/9
GE-SUB-2	Determination of the pH of a substrate.	49.90	/	See p.8/9
GE-SUB-3	Determination of the conductivity of a substrate.	49.90	/	See p.8/9
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.8/9
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
Bacteriology				
PA-BA-19	Supplement fee for counting of colonies for one pathogen in 5000 seeds.	19.60	/	5000
PA-BA-20	Supplement fee for counting of colonies for one pathogen in 30000 seeds.	51.00	/	30000
PA-BA-81	Supplement fee for counting of colonies for more than one pathogen in 5000 seeds.	32.00	/	5000
PA-BA-82	Supplement fee for counting of colonies for more than one pathogen in 30000 seeds.	96.00	/	30000
PA-BA-121	*Pseudomonas syringae* pv. *aptata.* Agar method + pathogenicity test in case of suspect colonies.	225.00	38 days	5000
PA-BA-123	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies.	199.00	34 days	5000
PA-BA-124	*Pseudomonas viridiflava*. Agar method + identification of strains by PCR in case of suspect colonies.	304.00	29 days	5000
PA-BA-126	*Pseudomonas viridiflava.* Agar method + identification of strains by PCR in case of suspect colonies.	304.00	29 days	30000
PA-BA-128	*Pseudomonas* tous pathovars. Agar method + identification of strains by PCR in case of suspect colonies.	195.00	22 days	30000

* COFRAC assay

[40] Quarantine parasite

Seed health quality

			Price	Duration	Size
Bacteriology					
PA-BA-130	NEW	*Pseudomonas syringae pv. syringae.* Agar method + pathogenicity test in case of suspect colonies.	192.00	/	/
Mycology - See p.8/9 "Seed health quality"					
PA-ID-FUS		Identification of *Fusarium* species in addition to detection test.	223.00	19 days	/
PA-ES-VERT		*Verticillium dahliae.* Agar method.	88.00	19 days	400
PA-MY-DEN	NEW	Supplement for counting of spores.	50.00	/	/
Nematology					
PA-NE-SOL1		Detection and identification of *Heterodera* group *Schachtii, Heterodera* group *Goettingiana, Heterodera* group *Avenae.*	168.00	30 days	300 g
PA-NE-SOL2		Detection and identification of *Meloïdogyne* in soil by indexing.	170.00	6 weeks	1 kg
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.	41.00	19 days	2 boxes / isolates
PA-ISOLEM	NEW	Isolation of strains from symptoms.	40.60	/	/
PA-ISOLEM1	NEW	Isolation of strains from seeds.	91.00	/	/
PA-DI-PEC		Identification of pathogens on plant material. Feasibility on a case-by-case basis. **Tarifs below are indicated for information. They will be charged depending on the observed symptoms.**		Contact SNES	
PA-DI-PEC1		Handling of the sample.	47.70	/	/
PA-DI-MICR		Additional tests depending of the symptoms observed: Identification based on symptoms.	82.00	/	/
PA-DI-MY		Mycological identification after incubation.	167.00	/	/
PA-DI-BA		Bacteriological identification after incubation.	83.00	/	/
PA-DI-IF		Bacteriological identification by immunofluorescence.	119.00	/	/
PA-DI-PP		Confirmation by pathogenicity test.	101.00	/	/
PA-DI-ELIS		Virological identification by immunological test.	183.00	/	/
PA-DI-IND		Virological identification virologic by biotest.	56.00	/	/
PA-DI-API		Galere API.	162.00	/	/
PA-DI-PCR	NEW	PCR	100.00	/	/

EVALUATION OF VARIETIES

		Price	Duration	Size
Cytology - Determination of the ploidy. For urgent inquiries, please contact the laboratory. Depending on the species a feasibility study may be necessary.				
CY-PL-400	Microscopic observation (400 seeds).	448.00	/	/
CY-PL-50	Microscopic observation (verification on 50 radicles).	113.00	4/5 weeks	/
CY-CY-PL1	Determination of the ploidy level by flow cytometry compared to a given reference (per plant on a series greater than 20 plants or seeds).	8.60	2 days	/
CY-CY-PL2	Determination of the ploidy level by flow cytometry compared to a given reference (per plant on a series less than 20 plants or seeds).	14.00	2 days	/
CY-CY-SUP NEW	Histogram editing in addition. Price per analysis.	2.00	/	/
Determination of the identity and the varietal purity				
SEV-CV	Standard protocol.	290.00	/	/
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

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Genotyping by molecular biology				
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 qualities: 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	
Evaluation of chemical, alternative, bio-control treatments				
PA-EVAL-TR	Pest of GEVES's price list (Seed Health and Resistance Tests).		Contact SNES	
Annual subscription to the variety denomination class test				
SEV-DENOS-10	All species - 10 tests.	181.00	/	/
SEV-DENOS-20	All species - 20 tests.	338.00	/	/
SEV-DENOS-50	All species - 50 tests.	797.00	/	/
SEV-DENOS-100	All species - 100 tests.	1 540.00	/	/
SEV-DENOS-200	All species - 200 tests.	3 018.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination analysis technical sheet				
GE-M-ESP	Germination method of different species .	7.00	/	/
Analysis of specific purity and enumeration technical Sheet				
AP-M-1	Purity and determination of other seed by number: methodology.	27.50	/	/
Identification data sheet of seeds and other impurities				
AP-A-01	*Echinochloa crus-galli, Echinochloa colona, Panicum capillare, Panicum maximum, Setaria pumila, Setaria veridis.*	27.50	/	/
AP-A-02	*Avena fatua-Avena sativa.*	27.50	/	/
AP-A-03	Polygonaceae (*Persicaria maculosa*, *Persicaria lapathifolia*, *Fallopia convolvulus*, *Polygonum aviculare*, Rumex sp., *Rumex acetosella, Rumex maritimus*).	27.50	/	/
AP-A-04	*Chenopodium* sp., *Atriplex* sp., *Amaranthus* sp., *Reseda* sp., *Myosotis* sp.	27.50	/	/
AP-A-06	Asteraceae (*Anthemis arvensis*, *Glebionis segetum*, *Chicorium* sp., *Tripleurospermum inodorum*, *Helminthotheca echioïdes*, *Lapsana communis*, *Lactuca sativa*, *Sonchus* spp., *Cirsium arvense*, *Cirsium vulgare*, *Centaurea cyanus*).	27.50	/	/
AP-P-1	*Cuscuta* spp.	27.50	/	/
AP-P-2	*Claviceps purpurea - Sclerotinia sclerotiorum.*	27.50	/	/
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-03	Beet.*	23.90	/	/
PU-IS-18	Vegetables*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	27.60	/	/
PU-IS-21	Purity of coated seeds.*	29.60	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-17	Vegetables*,Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	120.00	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-01	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Beetroot.**	38.10	/	1 kg
MN-SN-04	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other vegetables.**	62.00	/	1 kg
Calibration - Provide seeds in sealed foil sachets				
MN-DK-CAL1	ISTA method (Denker device): inferior or equal to 6 grills.	36.30	/	/
MN-DK-CAL2	ISTA method (Denker device): superior or equal to 6 grills.	46.90	/	/
MN-CA-SEUL	Calibration excluding Denker.	26.80	/	/
MN-SUP	Detail supplement of each grid with results expressed by percentage.	16.50	/	/
Radiography				
RX-IS-06	Measurements using 3D tomography of the volume of seed, the volume of coating material, sphericity index, and thickness of the coating material (data per seed) : Medium resolution tomography up to 1000 **coated Beet** seeds or 10 lots of 100 seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report + 10 pictures of 2D sections in .jpeg format.	673.00	/	/
RX-IS-07	Production of a video of a 3D rendering of the sample including visualization in stack of 2D slices.	20.70	/	/
RX-IS-12	Measurements using 3D tomography of volumes and surface areas for embryo, perisperm, and seed coat; fill rate the seed; and coat thickness (data per seed): High resolution tomography up to 50 **sugar Beet** seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report.	235.00	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-03-4	Beet* (after washing and treatment).	60.70	/	1250
GE-FG-034E NEW	Beet (pelleted seeds).	46.50	/	1250
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
Germination test on 200 seeds				
GE-FG-03-2	Beet (after washing and treatment).	47.10	/	500
GE-FG-032E NEW	Beet (pelleted seeds).	32.50	/	500
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500
Germination test on 100 seeds				
GE-FG-03-1	Beet (after washing and treatment).	30.20	/	500
GE-FG-031E NEW	Beet (pelleted seeds).	23.20	/	500
GE-FG-18-1	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	26.30	/	500
Cold test germination (energy + germination test) on 400 seeds				
GE-EGFG-B4	Beet (after washing and treatment).	89.00	/	1250

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Beet - Chicory

Physiological quality

			Price	Duration	Size
Cold test germination (energy + germination test) on 400 seeds					
GE-EGFG-4		Chicory, Field bean, Lettuce.	78.00	/	1250
Cold test germination (energy + germination test) on 200 seeds					
GE-EGFG-B2		Beet (after washing and treatment).	53.00	/	500
GE-EGFG-2		Chicory, Field bean, Lettuce.	46.40	/	500
Verification of species					
GE-ENR		Verification of species after germination test.	7.80	/	/
Additional determinations with the germination test					
GE-FG-MONO		Percentage of monogerm seed (in addition to the germination capacity) - **Beetroot monogerms** seeds.	11.00	/	/
GE-FGMONO1	NEW	Percentage of monogerm seed (in addition to the germination capacity) - **Beetroot multigerms** seeds.	25.00	/	/
GE-FG-AMAN		Beetroot, germination based on full seeds (in addition to the germination capacity) - **Beetroot**.	8.10	/	/

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Bacteriology				
Swiss chard				
PA-BA-119	*Pseudomonas syringa*e pv. *aptata*. Agar method + pathogenicity test in case of suspect colonies.	218.00	38 days	5000
Chard				
PA-BA-117	*Xanthomonas campestris* pv. *campestris*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/05).	188.00	41 days	5000
Mycology - See p.8/9 "Seed health quality"				
Beet				
PA-ES-BET	Pathogenic fungal flora. ***Phoma betae (Pleospora bjoerlingii), Colletotrichum dematium, Fusarium oxysporum, Fusarium equiseti (Gibberella intricans)***, *Fusarium* (other sections), *Verticillium* sp.	88.00	19 days	400
PA-MI-BET	***Peronospora farinosa*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-CE-BET	***Cercospora beticola*** (leaf spot). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-RO-BET	***Uromyces beticola*** (rust). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-RAM-BET	***Ramularia beticola*** (leaf spot). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Chicory				
PA-ES-CHI	Pathogenic fungal flora. ***Alternaria dauci (Alternaria dauci* f.sp. *endiviae)***, *Fusarium* (other sections), *Botrytis cinerea.*	88.00	19 days	400
Nematology				
PA-NE-SOL1	Detection and identification of *Heterodera* group *Schachtii, Heterodera* group *Goettingiana, Heterodera* group *Avenae.*	168.00	30 days	300 g
Virology - Uncoated seeds only				
Beet				
PA-VI-41	*Beet necrotic yelllow vein virus* (BNYVV).[40] ELISA.	210.00	16 days	2000
Beet, Cucurbita sp., Citrulus sp., Bean, Pea				
PA-VI-37 NEW	*Tomato black ring virus* (TBRV). ELISA.	136.00	16 days	2000
Beet, Spinach				
PA-VI-73	*Beet mosaic virus* (BtMV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Virology - Uncoated seeds only				
Beet, Spinach				
PA-VI-74	*Turnip mosaic virus* (TuMV). ELISA.		Contact SNES	
PA-VI-78	*Watermelon silver mottle virus* (WMSMOV). ELISA.		Contact SNES	
PA-VI-80	*Prunus necrotic ringspot virus* (PNRSV). ELISA.		Contact SNES	
PA-VI-82	*Tobacco rattle virus* (TRV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
PA-R-BET	*Heterodera schachtii.*	705.00	/	75
PA-R-BET-1	*Aphanomyces cochlioides.*		Contact SNES	
PA-R-BET-2	Evaluation of agressivity of an isolate of *Rhizoctonia solani.*		Contact SNES	
Technological qualities: biochemical tests				
Chicory				
BI-B-SPEC-ASN	Asparagin content.		Contact BioGEVES	
Field test by SEV				
SEV-DHS-BETS	DUS Testing of **Sugar beet.**	935.00	/	/
SEV-DHS-BETF	DUS Testing of **Forage beet**.	935.00	/	/
SEV-DHS-CHI	DUS Testing of **Chicory**.	935.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination analysis technical sheet				
GE-T-BET	Technical sheet for evaluation of **Beet** seedlings.	27.50		/
Technical sheet of the analysis of specific purity and counting				
AP-C-9	*Beta vulgaris.*	27.50	/	/
Identification data sheet of seeds and other impurities				
AP-A-06	Asteraceae (*Anthemis arvensis*, *Glebionis segetum*, *Chicorium* sp., *Tripleurospermum inodorum*, *Helminthotheca echioïdes*, *Lapsana communis*, *Lactuca sativa*, *Sonchus* spp., *Cirsium arvense*, *Cirsium vulgare*, *Centaurea cyanus*).	27.50	/	/
Collection of seeds				
APCS-BET-V	Seeds collection - Weed's identification for ***Beta vulgaris*** analysis.	196.00	/	/

* COFRAC assay

[40] Quarantine parasite

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	21.50	/	/
Percentage by weight of a specified specie (in addition to the purity analysis test)				
PU-PC-MELI	*Melilotus* sp.	11.80	/	/
PU-PC-LUP	*Lupinus* sp.	11.80	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	20.80	/	/
Determination of other seeds by number-Limiter search Avena fatua, Cuscuta (optional) and Rumex R. acetosella R. maritimus				
SP-AFCR-01	Pea*, Faba bean*, Lupin*.	28.60	/	/
Determination of other seeds - Veskof type				
SP-VE-03	Pea.	60.00	/	/
Determination by number of Avena fatua per 3kg				
SP-AF-3KG2	Pea.	58.00	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-02	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Pea, Bean, Cucurbit.**	43.50	/	1 kg
Radiography				
RX-IS-08	Measurements using 3D tomography of the volume of seed, and the associated insect damage (data per seed): Medium resolution tomography up to 7 lots (about 100 seeds per lot) of **Faba bean** or **Pea** seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report with the supply of 10 images in 2D section in .jpeg format.	714.00	/	/
RX-IS-07	Production of a video of a 3D rendering of the sample including visualization in stack of 2D slices.	20.70	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
GE-FG-02-4	Field bean*, Faba bean*, Lupin*, Pea*, Soybean*.	44.70	/	1250
Germination test on 200 seeds				
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500
GE-FG-02-2	Field bean, Faba bean, Lupin, Pea, Soybean.	37.10	/	500
Vigour test				
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species.* 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 like test TE-SN-01.	47.30	/	500
GE-VIEI-2	Accelerated ageing of 200 seeds including germination capacity.	76.00	/	500

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Bacteriology				
Pea				
PA-BA-21	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	152.00	28 days	5000
PA-BA-70	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	228.00	28 days	15000
PA-BA-21-1	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (ISTA 7-029).	161.00	31 days	5000
PA-BA-22	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	165.00	31 days	5000
PA-BA-84	*Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies.	230.00	31 days	15000
PA-BA-22-2	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	188.00	31 days	5000
PA-BA-85	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	285.00	31 days	15000
PA-PP-PSP	Supplement fee. Confirmation by pathogenicity test of *Pseudomonas syringae* pv. *pisi* PCR positive isolates.	61.00	9 days	/
Mycology - See p.8/9 "Seed health quality"				
Faba bean-Field bean				
PA-ES-FEV	Pathogenic fungal flora. ***Ascochyta fabae (Didymella fabae), Botrytis cinerea, Botrytis fabae,****Fusarium* (all sections).	88.00	19 days	400
Lupin				
PA-ES-LUP	Pathogenic fungal flora. ***Colletotrichum gloeosporioides (Glomerella cingulata), Colletotrichum lupini,*** *Botrytis cinerea, Fusarium* (all sections), *Stemphylium* sp., *Phomopsis* sp.	88.00	19 days	400
Pea				
PA-ES-POID	Pathogenic fungal flora with superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella),*** *Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-POI	Pathogenic fungal flora without superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella),*** *Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Treated seeds only.**	88.00	19 days	400
PA-MI-POI	***Peronospora viciae (Peronospora pisi)*** (downy mildew). Seed wash method**. Untreated seeds only.**	85.00	15 days	500
PA-ANT-POI	***Ascochyta pisi.*** Agar method (ISTA 7-005).	92.00	19 days	400
Chickpea				
PA-ES-POCD	Pathogenic fungal flora with superficial disinfection. ***Ascochyta rabiei (Mycosphaerella rabiei), Botrytis cinerea, Fusarium oxysporum,*** *Fusarium solani, Fusarium*sections). **Untreated seeds only.**	92.00	19 days	400
PA-ES-POC	Pathogenic fungal flora without superficial disinfection. ***Ascochyta rabiei (Mycosphaerella rabiei), Botrytis cinerea, Fusarium oxysporum,*** *Fusarium solani, Fusarium*sections). **Treated seeds only.**	88.00	19 days	400
Nematology				
Faba bean				
PA-NE-FEV	***Ditylenchus dipsaci*** and/or ***gigas.**** 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.**	63.00	16 days	200 g
PA-NE-PLAF	***Ditylenchus dipsaci*** and/or ***gigas.**** Detection on plants. Anses MOA013 parts A and B.	71.00	16 days	/

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

			Price	Duration	Size
Nematology					
All species					
PA-NE-TTES		Supplement for counting of ***Ditylenchus dipsaci*** and/or ***gigas.****	107.00	/	/
Virology - Uncoated seeds only					
Beet, Cucurbita sp., Citrulus sp., Bean, Pea					
PA-VI-37	NEW	*Tomato black ring virus* (TBRV). ELISA.	136.00	16 days	2000
Pea					
PA-VI-31		*Pea early-browning virus* (PEBV). ELISA (ISTA 7-024).	136.00	16 days	2000
PA-VI-57		*Pea enation mosaic virus* (PEMV). ELISA.	210.00	16 days	2000
PA-VI-58		*Beet yellows virus* (BYV). ELISA.		Contact SNES	
PA-VI-60		*Bean yellow mosaic virus* (BYMV). ELISA.		Contact SNES	
PA-VI-67		*Bean leaf roll virus* (BLRV). ELISA.		Contact SNES	
PA-VI-88	NEW	*Southern bean mosaic virus* (SBMV). ELISA.		Contact SNES	
Pea, Vetch					
PA-VI-11		*Pea seed borne mosaic virus* (PSbMV). ELISA (ISTA 7-024).	136.00	16 days	2000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

		Price	Duration	Size
Determination of bitterness				
Lupin				
AMER-LUP1	Determination of bitter seeds in Lupin by ISTA method.	54.00	/	/
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
Pea				
PA-R-POI-1	*Ascochyta pisi* race C.	86.00	/	30
PA-R-POI-2	*Fusarium oxysporum* f. sp. *pisi* race 1.	96.00	/	30
PA-R-POI-3	BYMV (*Bean yellow mosaic virus*).	82.00	/	30
PA-R-POI-4	PEMV (*Pea enation mosaic virus*).	82.00	/	30
PA-R-POI-5	*Erysiphe pisi.*	142.00	/	30
Technological qualities : biochemical tests				
Field Bean				
BI-B-SPEC-FAT	Antitrypsic factors (assay by spectrophotometry).		Contact BioGEVES	
BI-B-SPEC-TAN	Tannin content (assay by spectrophotometry).		Contact BioGEVES	
BI-B-HPLC-VCCV	Vicin and convicine content (faba) by high performance liquid chromatography (HPLC).		Contact BioGEVES	
BI-B-NIRS-P	Protein content (NIRS).		Contact BioGEVES	
Technological qualities : biochemical tests				
Pea				
BI-B-SPEC-FAT	Antitrypsic factors (assay by spectrophotometry).		Contact BioGEVES	
Technological qualities : biochemical tests				
Pea				
BI-B-NIRS-P	Protein content (NIRS).		Contact BioGEVES	

* COFRAC assay

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		Price	Duration	Size
Genotyping by molecular biology				
Pea				
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Field test by SEV				
SEV-DHS-FEVLUP	DUS Testing of **Field bean, Lupin**.	935.00	/	/
SEV-DHS-POIP	DUS Testing of **Spring peas**.	1 040.00	/	/
SEV-DHS-POIH	DUS Testing of **Winter peas**.	1 040.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination methods sheets				
VIG-2-M	Vigour testing methods – Conductivity - **Pea.**	7.00	/	/
Germination analysis technical sheet				
GE-T-POI	Technical sheet for evaluation of **Pea** seedlings.	27.50	/	/
GE-T-FEV	Technical sheet for evaluation of **Faba** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-8	*Pisum sativum, Vicia faba.*	27.50	/	/
AP-C-12	*Cicer arietinum.*	27.50	/	/
Collection of seeds				
APCS-PIS-S	Seeds collection - Weed's identification for ***Pisum sativum*** and ***Vicia faba*** analysis.	196.00	/	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-01	Wheat*, Spelt*, Barley*, Oats*, Rice*, Triticale*, Rye*, Buckwheat*.	50.30	/	/
Additional flow cytometry analysis				
PU-COMP-CY	Additional cytometry flow analysis for the SAP for a **Durum wheat/Common wheat** or ***Avena Fatua/Avena strigosa*** identification following a purity.	20.80	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-01	Wheat*, Spelt*, Barley*, Oats*, Rice*, Triticale*, Rye*, Buckwheat*.	121.00	/	/
Determination of other seeds by number (on 500 grams)				
SP-CER-R1	Wheat, Spelt, Barley, Oats, Rice, Triticale and Rye.	103.00	/	/
Determination of Avena fatua by number (3kg)				
SP-AF-3KG1	Wheat, Spelt, Triticale, Rye.	168.00	/	/
SP-AF-3KG4	Barley, Rice.	168.00	/	/
SP-AF-3KG5	Oats.	284.00	/	/
Determination of red seeds by number				
SP-GR-RO	Rice.	60.00	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-05	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other field crop species.**	51.00	/	1 kg
MN-SN-08 NEW	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Quinoa.**	40.00	/	1 kg

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-01-4	Wheat*, Spelt*, Barley*, Oats*, Rice*, Triticale*, Rye*, Buckwheat*, Corn*, Sorghum*.	42.70	/	1250
Germination test on 200 seeds				
GE-FG-01-2	Wheat, Spelt, Barley, Oats, Rice, Triticale, Rye, Buckwheat, Corn, Sorghum.	35.30	/	500
Vigour test				
GE-CO-CE-4	Cold Test Cereals (400 seeds).	58.00	/	1250
GE-CO-CE-2	Cold Test Cereals (200 seeds).	37.10	/	500
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species.* 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 like test TE-SN-01.	47.30	/	500
GE-VIEI-2	Accelerated ageing of 200 seeds including germination capacity.	76.00	/	500

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Oats				
PA-CH-AV	***Ustilago avenae*** (loose smut) and ***Ustilago hordei*** (smut). Seed wash method. **Untreated seeds only.**	85.00	15 days	500

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Oats				
PA-ES-AVD	Pathogenic fungal flora with superficial disinfection. ***Helminthosporium avenae (Pyrenophora chaetomioides), Parastagonospora avenae (Stagonospora avenae), Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections),** *Botrytis* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-AV	Pathogenic fungal flora without superficial disinfection. ***Helminthosporium avenae (Pyrenophora chaetomioides), Parastagonospora avenae (Stagonospora avenae), Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections),** *Botrytis* sp. **Treated seeds only.**	88.00	19 days	400
Wheat, Barley, Rye, Triticale				
PA-CA-VIAC	***Tilletia caries*** (bunt). Filtration and counting method. + viability measure of *Tilletia caries* spores. Staining method.	112.00	15 days	50 g
Wheat				
PA-CA-BLE	***Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt). Filtration and counting method. **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Untreated seeds only.**	79.00	15 days	50 g
PA-CA-VIA2	**Tilletia caries** (bunt). Viability mesure of ***Tilletia caries*** spores by detection by PCR on plantlets. For: Evaluation of the efficiency of treatments. Evaluation of transmission from seed to plantlet.		Contact SNES	
PA-CA-BLE2	***Tilletia indica*[40], *Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt)**.*** Filtration method (Anses MOA 017). **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Analyses only carried out on seed lots from France. Untreated seeds only.**	115.00	15 days	100 g
PA-CH-BLE	***Ustilago tritici*** (loose smut). Embryo extraction method. **Untreated seeds only.**	90.00	15 days	1000
PA-ES-BLED	Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum (Septoria nodorum), Helminthosporium sativum (Bipolaris sorokiniana),*** *Helminthosporium* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-BLE	Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum (Septoria nodorum), Helminthosporium sativum (Bipolaris sorokiniana),*** *Helminthosporium* sp. **Treated seeds only.**	88.00	19 days	400
PA-MIC-BL2	Identification of *Microdochium* species by PCR in addition to the analysis of detection.	192.00	19 days	/
PA-SE-BLE	***Parastagonospora nodorum (Stagonospora nodorum).*** Agar method (ISTA 7-014).	90.00	19 days	400
PA-MIC-BLE	***Microdochium* spp.** Agar method (ISTA 7-022).	92.00	19 days	400
PA-ID-SEP	Identification of *Septoria* species on leaves.	102.00	15 days	/
PA-BLE-URO	***Urocystis tritici*** (rust). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Barley				
PA-CA-ORG	***Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt). Filtration and counting method. **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Untreated seeds only.**	79.00	15 days	50 g

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay [40] Quarantine parasite

Seed health quality

			Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"					
Barley					
PA-CA-ORG2		***Tilletia indica*[40], *Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt)**.*** Filtration method (Anses MOA 017). **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Analyses only carried out on seed lots from France.** **Untreated seeds only.**	115.00	15 days	100 g
PA-CH-ORG		***Ustilago nuda*** (loose smut). Embryo extraction method. **Untreated seeds only.**	87.00	15 days	2000
PA-CHI-ORG		***Ustilago nuda*** (loose smut). Embryo extraction method (ISTA 7-013a). **Untreated seeds only.**	100.00	15 days	4000
PA-CH-ORLA		***Ustilago hordei*** (smut). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ES-ORGD		Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum* (*Septoria nodorum*),** Helminthosporium sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-ORG		Pathogenic fungal flora without superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum* (*Septoria nodorum*),** *Helminthosporium* sp. **Treated seeds only.**	88.00	19 days	400
PA-RAM-ORG		*Ramularia collo-cygni.* Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ID-HEL	NEW	Identification of *Helminthosporium* (*Pyrenophora*) spp. species in addition to detection test.	107.00	/	/
Rice					
PA-ES-RIZ		Detection of the pathogenic fungal flora. ***Alternaria padwickii* (*Trichoconiella padwickii*), *Helminthosporium oryzae* (*Bipolaris oryzae*), *Pyricularia oryzae* (*Magnaporthe grisea*)**, *Curvularia* sp., *Nigrospora oryzae*.	110.00	19 days	400
PA-ESI-RIZ		***Alternaria padwickii* (*Trichoconiella padwickii*), *Helminthosporium oryzae* (*Bipolaris oryzae*), *Pyricularia oryzae* (*Magnaporthe grisea*).** Blotter method (ISTA 7-10, 7-011, 7-012).	110.00	19 days	400
Rye					
PA-CA-SEI		***Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt). Filtration and counting method. **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility).** **Untreated seeds only.**	79.00	15 days	50 g
PA-CA-SEI2		***Tilletia indica**[40], *Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt)**.*** Filtration method (Anses MOA 017). **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Analyses only carried out on seed lots from France.** **Untreated seeds only.**	115.00	15 days	100 g
PA-CH-SEI		***Ustilago hordei*.** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ES-SEID		Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum* (*Septoria nodorum*), *Helminthosporium sativum* (*Bipolaris sorokiniana*),** *Helminthosporium* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-SEI		Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp., *Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections), *Parastagonospora nodorum* (*Septoria nodorum*), *Helminthosporium sativum* (*Bipolaris sorokiniana*),** *Helminthosporium* sp. **Treated seeds only.**	88.00	19 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Triticale				
PA-CA-TRI	***Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt). Filtration and counting method. **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility).** **Untreated seeds only.**	78.00	15 days	50 g
PA-CA-TRI2	***Tilletia indica*[40], *Tilletia caries*, *Tilletia foetida* (*Tilletia laevis*), *Tilletia controversa*** (bunt)**.*** Filtration method (Anses MOA 017). **Provide the specified quantity of seed with indicating the weight and the number of seeds on the bag (information is under the applicant's responsibility). Analyses only carried out on seed lots from France.** **Untreated seeds only.**	115.00	15 days	100 g
PA-CH-TRI	***Ustilago tritici*** (loose smut). Embryo extraction method. **Untreated seeds only.**	89.00	15 days	1000
PA-ES-TRID	Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp.*, Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections*), Parastagonospora nodorum (Septoria nodorum), Helminthosporium sativum (Bipolaris sorokiniana),*** *Helminthosporium* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-TRI	Pathogenic fungal flora with superficial disinfection. ***Microdochium* spp.*, Fusarium* (section *Discolor*, section *Roseum*, section *Sporotrichiella* and other sections*), Parastagonospora nodorum (Septoria nodorum), Helminthosporium sativum (Bipolaris sorokiniana),*** *Helminthosporium* sp. **Treated seeds only.**	88.00	19 days	400
Nematology				
Oats				
PA-NE-AV	***Ditylenchus dipsaci.**** Anses MOA013 parts A and B. **Untreated seeds only.** Test realized on the whole submitted sample. If the supplied is too important, a new sample will be asked.	63.00	16 days	200 g
All species				
PA-NE-TTES	Supplement for counting of ***Ditylenchus dipsaci*** and/or ***gigas.****	107.00	/	/
Virogoly - Uncoated seeds only				
Wheat, Barley				
PA-VI-45	*Barley stripe mosaic virus* (BSMV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

			Price	Duration	Size
Determination of bitterness					
Quinoa					
AMER-QUI1	NEW	Determination of bitter seeds in **Quinoa**.	54.00	/	/
Varietal resistance - Different prices outside test periods. Contact SNES for tests outside periods (March - April)					
Wheat					
PA-R-BLE-1		WSSMV (*Wheat spindle streak mosaic virus).* Detection by ELISA.	75.00	/	20 plants
PA-R-BLE-2		SBCMV (*Soil-borne cereal mosaic virus).* Detection by ELISA.	75.00	/	20 plants
SEV-RV-FUSAGRAIN		Fusarium Head Blight for soft wheat *(F. graminearum & culmorum)*: quantification of symptoms on kernels by multispectral analysis (Videometer)	20.00	/	1000

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for tests outside periods (March - April)				
Barley				
PA-R-ORG1	BaMMV (*Barley mild mosaic virus).* Detection by ELISA.	75.00	/	20 plants
PA-R-ORG2	BaYMV (*Barley yellow mosaic virus).* Detection by ELISA.	75.00	/	20 plants
Wheat, Barley				
PA-R-IDOCU	Identification of eyespot species (*Oculimacula yallundae* and *O. acuformis).*	416.00	/	/
BI-D-VIR-MOSA	BaMMV (*Barley mild mosaic virus).* Detection by PCR.		Contact BioGEVES	
BI-D-VIR-MOSA	BaYMV (*Barley yellow mosaic virus).* Detection by PCR.		Contact BioGEVES	
BI-D-V-DCAPS	BaYMV (*Barley yellow mosaic virus).* Pathotype identification dCAPS method (Y1/Y2).		Contact BioGEVES	
BI-D-V-JNO	BYDV (*Barley yellow dwarf virus).* Detection and identification of BYDV-MAV, BYDV-PAV, BYDV-SGV and BYDV-RPV by PCR.		Contact BioGEVES	
BI-D-VIR-MOSA	SBCMV (*Soil-borne cereal mosaic virus).* Detection by PCR.		Contact BioGEVES	
BI-D-VIR-MOSA	WDV (Wheat Dwarf Virus). Detection by PCR.		Contact BioGEVES	
BI-D-VIR-MOSA	SBWMV (*Soil-borne wheat mosaic virus).* Detection by PCR.		Contact BioGEVES	
BI-D-VIR-MOSA	WSSMV (*Wheat spindle streak mosaic virus).* Detection by PCR.		Contact BioGEVES	
Genotyping by protein profiling				
Durum Wheat				
BI-G-EL-LMW	Research and characterisation of LMW1 and LMW2 bands for the varieties of **Durum wheat** 1 variety x 5.		Contact BioGEVES	
Genotyping by molecular biology				
Durum Wheat, Barley, Triticale				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
BI-G-BM-SSR-PUR-40	Seed mixture detection.		Contact BioGEVES	
Bread Wheat				
BI-G-BM-SSR-CID	Varietal identification (french collection, organic, recommanded varieties for milling).		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control for milling.		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control for organic wheat.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
BI-G-BM-SSR-PUR-40	Seed mixture detection.		Contact BioGEVES	
Malting Barley				
BI-G-BM-SSR-CID	Varietal identity control for brewery.		Contact BioGEVES	
Rice				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Technological qualities : biochemical tests				
Durum Wheat				
BI-B-NIRS-P	Protein content (NIRS).		Contact BioGEVES	
Other tests				
Barley				
SEV-AUT-GROR	Morphological control of Barley seeds (character of racilla and crease), on 100 seeds.	41.00	/	/
Field test by SEV				
SEV-DHS-AVH	DUS Testing of **Winter oat.**	935.00	/	/

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Field test by SEV				
SEV-DHS-AVP	DUS Testing of **Spring oat**.	935.00	/	/
SEV-DHS-BTH	DUS Testing of **Winter wheat**.	1 250.00	/	/
SEV-DHS-BTP	DUS Testing of **Spring wheat**.	935.00	/	/
SEV-DHS-ORH	DUS Testing of **Winter barley**.	1 250.00	/	/
SEV-DHS-ORP	DUS Testing of **Spring barley**.	1 250.00	/	/
SEV-DHS-ORP	DUS Testing of **Durum wheat**.	1 250.00	/	/
SEV-DHS-TRI	DUS Testing of **Triticale.**	1 250.00	/	/
SEV-DHS-RIZ	DUS Testing of **Rice.**	1 250.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination analysis technical sheet				
GE-T-CER	Technical sheet for evaluation of **Cereals** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-5	Cereals (*Avena sativa, Triticum aestivum, Triticum durum, Hordeum vulgare, x Triticosecale, Secale cereale*).	27.50	/	/
AP-C-17	*Sorghum bicolor.*	27.50	/	/
Identification data sheet of seeds and other impurities				
AP-A-02	*Avena fatua-Avena sativa.*	27.50	/	/
Collection of seeds				
APCS-CER	Seeds collection - Weed's identification for **Cereals.** analysis.	196.00	/	/

* COFRAC assay

[40] Quarantine parasite

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	21.50	/	/
PU-IS-04	Fenugreek, Birds-foot trefoil, Sainfoin.	40.80	/	/
PU-IS-05	Vetch*.	42.90	/	/
PU-IS-06	Alfalfa, Black Medick, Clover.	41.60	/	/
PU-IS-07	Bent-grass*.	45.90	/	/
PU-IS-08	Meadow grass*.	49.20	/	/
PU-IS-09	Yellow oatgrass*, Meadow fescue*, Sheep fescue*, Red fescue*.	86.00	/	/
PU-IS-10	Timoty*, Hungarian millet, Foxtail millet.	43.40	/	/
PU-IS-11	Bermuda frass*.	40.20	/	/
PU-IS-12	Brome*, Cocksfoot/Orchard grass*, Tall oat grass*.	74.00	/	/
PU-IS-13	Festulolium*, Tall fescue*, Harding grass*, Rye grass*, Meadow foxtail*, Bahia grass*.	59.00	/	/
PU-IS-17	Cabbage-Turnip*, Rutabaga*.	34.00	/	/
PU-IS-18	Vegetables*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	27.60	/	/
PU-IS-19	On seed mixture.	143.00	/	/
Preparation of pure seeds for germination test				
PU-PR-07	Bent-grass.	26.60	/	/
PU-PR-08	Meadow-grass.	26.60	/	/
PU-PR-09	Yellow oatgrass, Meadow fescue, Sheep fescue, Red fescue,	26.60	/	/
PU-PR-10	Timoty, Hungarian millet, Foxtail millet.	26.60	/	/
PU-PR-11	Bermuda grass.	26.60	/	/
PU-PR-12	Brome, Cocksfoot/ Orchard grass, Tall oat grass.	26.60	/	/
PU-PR-13	Festolium, Tall fescue, Harding grass, Rye grass, Meadow foxtail.	26.60	/	/
PU-PR-19	On seed mixture with announced composition.	94.00	/	/
Percentage by weight of a specified specie (in addition to the purity analysis test)				
PU-PC-AVES	Other species of Vetch.	17.80	/	/
PU-PC-ALO	*Alopecurus myosuroides.*	11.80	/	/
PU-PC-ELY	*Elytrigia repens.*	11.80	/	/
PU-PC-RAPH	*Raphanus raphanistrum.*	11.80	/	/
PU-PC-MELI	*Melilotus* sp.	11.80	/	/
PU-PC-SINA	*Sinapis arvensis.*	11.80	/	/
Verification of species - Untreated seeds only				
PU-ENR	Pelleting material removal of the whole purity working sample for seed mixture.	63.00	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	20.80	/	/
SP-IS-03	Fenugreek, Birds-foot trefoil, Sainfoin	154.00	/	/
SP-IS-04	Vetch*.	187.00	/	/
SP-IS-05	Alfalfa, Black medick, Clover.	124.00	/	/
SP-IS-06	Bent-grass*.	167.00	/	/
SP-IS-07	Meadow grass*.	167.00	/	/
SP-IS-08	Yellow oatgrass*, Meadow fescue*, Sheep fescue*, Red fescue*.	167.00	/	/
SP-IS-09	Timoty*, Hungarian millet, Foxtail millet.	167.00	/	/
SP-IS-10	Bermuda grass*.	167.00	/	/
SP-IS-11	Brome*, Cocksfoot/ Orchard grass*, Tall oat grass*.	157.00	/	/
SP-IS-12	Festulolium*, Tall fescue*, Harding grass*, Rye grass*, Meadow foxtail*.	280.00	/	/
SP-IS-16	Cabbage-Turnip*, Rutabaga*.	106.00	/	/
SP-IS-17	Vegetables*,Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	120.00	/	/
Determination of other seeds by number-Limiter search Avena fatua, Cuscuta (optional) and Rumex R. acetosella R. maritimus				
SP-AFCR-01	Pea*, Faba bean*, Lupin*.	28.60	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

* COFRAC assay

[40] Quarantine parasite

Fodder plants

Physical quality

			Price	Duration	Size
Determination of other seeds by number-Limited search: Avena fatua and Rumex except R. acetosella and R. maritimus, Cuscuta sp. (optional)					
SP-AFCR-02		Bent-grass*, Meadow grass*.	27.60	/	/
SP-AFCR-03		Yellow oatgrass*, Bermuda grass*, Meadow fescue*, Sheep fescue*, Red fescue*.	27.60	/	/
SP-AFCR-04		Brome*, Cocksfoot/ Orchard Grass*, Festulolium*, Tall fescue*, Tall oat grass*, Harding Grass*, Rye-grass*, Meadow foxtail*.	27.60	/	/
SP-AFCR-05		Fenugreek, Narrow-leaf plantain.	49.40	/	/
Determination of other seeds by number: Avena fatua, Avena ludoviciana, Avena sterilis, Cuscuta sp. and Rumex except R. acetosella and R. maritimus by ISTA weight					
SP-AFCR-06		Sainfoin.	49.40	/	/
SP-AFCR-07		Timoty*.	49.40	/	/
Determination of other seeds by number-Limited search: Avena fatua, Avena ludoviciana, Avena sterilis and Rumex except R. acetosella and R. maritimus by ISTA weight					
SP-AFCR-08		Birdsfoot trefoil, Alfalfa, Black medick, Clover.	49.40	/	/
Determination of Cuscuta spp.					
SP-CU-ISTA		On double ISTA weight for Birdsfoot trefoil, Alfalfa, Black medick, Clover.	32.00	/	/
SP-CU-1KG		On 1 kg for Alfalfa.	189.00	/	/
SP-CU100-T	NEW	100g maximum for *Trifolium repens, Trifolium hybridum, Trifolium michelianum, Trifolium fragiferum, Trifolium vesiculosum* and *Lotus* spp.	72.00	/	/
SP-CU250-T	NEW	From 150 to 300 g for *Trifolium repens, Trifolium hybridum, Trifolium michelianum, Trifolium fragiferum, Trifolium vesiculosum* and *Lotus* spp.	180.00	/	/
SP-CU250-P	NEW	From 150 to 300g for *Medicago spp., Trifolium pratense, Trifolium incarnatum, Trifolium alexandrinum, Trifolium resupinatum.*	78.00	/	/
SP-CU500-T	NEW	From 400 to 600 g for *Trifolium repens, Trifolium hybridum, Trifolium michelianum, Trifolium fragiferum, Trifolium vesiculosum* and *Lotus* spp.	360.00	/	/
SP-CU500-P	NEW	From 400 to 600 g for *Medicago* spp., *Trifolium pratense, Trifolium incarnatum, Trifolium alexandrinum, Trifolium resupinatum.*	155.00	/	/
Determination of other seeds - Veskof type					
SP-VE-01		Fenugreek, Birdsfoot trefoil, Sainfoin.	59.00	/	/
SP-VE-02		Alfalfa*, Black medick, Clover*.	155.00	/	/
SP-VE-03		Pea.	60.00	/	/
SP-VE-04		Vetch.	56.00	/	/
SP-VE-05		Bent-grass.	57.00	/	/
SP-VE-06		Meadow grasses.	57.00	/	/
SP-VE-07		Yellow oatgrass, Meadow fescue, Sheep fescue, Red fescue.	91.00	/	/
SP-VE-08		Timoty.	57.00	/	/
SP-VE-09		Bermuda grass.	57.00	/	/
SP-VE-10		Brome, Cocksfoot/ Orchard grass , Tall oat grass.	91.00	/	/
SP-VE-11		Festulolium, Tall fescue, Harding grass, Rye grass, Meadow foxtail.	58.00	/	/
Determination by number of Avena fatua per 3kg					
SP-AF-3KG2		Pea.	58.00	/	/
SP-AF-3KG3		Vetch.	60.00	/	/
Determination of all other seeds by number: dehydrated norms					
SP-DESHY		Alfalfa.	70.00	/	/
Determination of all other seeds by number: HVS norms					
SP-HVS		Fodder plants.	188.00	/	/
Determination of the composition by weight on seed mixture (% by species) in addition of a purity analysis test					
PU-COMPO1		1 to 4 components.	300.00	/	/
PU-COMPO2		5 to 10 components.	379.00	/	/
PU-COMPO3		>10 components.	565.00	/	/
PU-MEL-CON		Conformity test on seed mixture composition.	21.80	/	/
PU-COMPO-N		Without announced composition by the applicant.	210.00	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physical quality

		Price	Duration	Size
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-02	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Pea, Bean, Cucurbit.**	43.50	/	1 kg
MN-SN-05	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other field crop species.**	51.00	/	1 kg
MN-SN-07	Seed mixture.		Contact SNES	
Fluorescence				
FLUO-1	Fluorescence of **Rye grass** roots on 400 seedlings (germination and identification). Enables distinguishing *Lolium perenne* showing no fluorescence unlike *Lolium multiflorum* and *Lolium boucheanum* these exhibit fluorescent roots.	99.10	/	/
Radiography				
RX-IS-08	Measurements using 3D tomography of the volume of seed, and the associated insect damage (data per seed): Medium resolution tomography up to 7 lots (about 100 seeds per lot) of **Faba bean** or **Pea** seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report with the supply of 10 images in 2D section in .jpeg format.	714.00	/	/
RX-IS-07	Production of a video of a 3D rendering of the sample including visualization in stack of 2D slices.	20.70	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-02-4	Field bean*, Faba bean*, Lupin*, Pea*, Soybean*.	44.70	/	1250
GE-FG-04-4	Fenugreek, Birdsfoot trefoil, Sainfoin.	43.50	/	1250
GE-FG-05-4	Vetch*.	58.00	/	1250
GE-FG-06-4	Alfalfa, Black medick, Clover.	53.00	/	1250
GE-FG-07-4	Bent-grass*.	62.00	/	1250
GE-FG-08-4	Meadow grass*.	62.00	/	1250
GE-FG-09-4	Yellow oatgrass*, Meadow fescue*, Sheep fescue*, Red fescue*.	62.00	/	1250
GE-FG-10-4	Timoty*.	56.00	/	1250
GE-FG-11-4	Bermuda grass*.	62.00	/	1250
GE-FG-12-4	Brome*, Cocksfoot/ Orchard grass*, Tall oat grass*.	62.00	/	1250
GE-FG-13-4	Festulolium*, Tall fescue*, Harding grass*, Rye grass*, Meadow foxtail*.	51.00	/	1250
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
GE-FG-19-4	Species mixture by component. **All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.**	See species above	See species above	See species above
Germination test on 200 seeds				
GE-FG-02-2	Field bean, Faba bean, Lupin, Pea, Soybean.	37.10	/	500
GE-FG-04-2	Fenugreek, Birdsfoot trefoil, Sainfoin.	38.40	/	500
GE-FG-05-2	Vetch.	40.00	/	500
GE-FG-06-2	Alfalfa, Black medick, Clover.	37.20	/	500
GE-FG-07-2	Bent-grass.	42.90	/	500
GE-FG-08-2	Meadow grass.	42.90	/	500
GE-FG-09-2	Yellow oatgrass, Meadow fescue, Sheep fescue, Red fescue.	42.90	/	500
GE-FG-10-2	Timoty.	38.80	/	500
GE-FG-11-2	Bermuda grass.	42.90	/	500
GE-FG-12-2	Brome, Cocksfoot/ Orchard grass, Tall oat grass.	42.90	/	500
GE-FG-13-2	Festulolium, Tall fescue, Harding grass, Rye grass, Meadow foxtail.	40.50	/	500
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500
GE-FG-19-2	Species mixture by component. **All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.**	See species above	See species above	See species above

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Bacteriology

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen

		Price	Duration	Size
PA-BA-04	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	184.00	41 days	30000
PA-BA-57	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	219.00	41 days	40000
PA-BA-63	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	321.00	41 days	60000
PA-BA-03	*Xanthomonas campestris* pv. *campestris.* Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019a).	189.00	41 days	30000
PA-BA-105	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	223.00	41 days	30000
PA-BA-58	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	292.00	41 days	40000
PA-BA-64	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	439.00	41 days	60000
PA-BA-05	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019b).	234.00	41 days	30000
PA-BA-29	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-59	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	219.00	41 days	40000
PA-BA-65	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	321.00	41 days	60000
PA-BA-30	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	223.00	41 days	30000
PA-BA-60	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	292.00	41 days	40000
PA-BA-66	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	439.00	41 days	60000
PA-BA-10	*Pseudomonas syringae* pv. *maculicola.* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-33	*Pseudomonas syringae* pv. *maculicola* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies.	220.00	41 days	30000

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.

PA-BA-06	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	220.00	41 days	30000
PA-BA-61	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	265.00	41 days	40000
PA-BA-78	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	398.00	41 days	60000
PA-BA-07	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	265.00	41 days	30000
PA-BA-62	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	353.00	41 days	40000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

		Price	Duration	Size
Bacteriology				
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
PA-BA-67	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **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	60000
PA-BA-45	*Xanthomonas campestris* pv. *campestris* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	252.00	41 days	30000
PA-BA-46	*Xanthomonas campestris* pv. *armoraciae* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies.	252.00	41 days	30000
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 3 pathogens.				
PA-BA-08	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	305.00	41 days	30000
Pea				
PA-BA-21	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	152.00	28 days	5000
PA-BA-70	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	228.00	28 days	15000
PA-BA-21-1	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (ISTA 7-029).	161.00	31 days	5000
PA-BA-22	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	165.00	31 days	5000
PA-BA-84	*Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies.	230.00	31 days	15000
PA-BA-22-2	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	188.00	31 days	5000
PA-BA-85	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	285.00	31 days	15000
Vetch				
PA-BA-99	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	170.00	33 days	5000
PA-PP-PSP	Supplement fee. Confirmation by pathogenicity test of *Pseudomonas syringae* pv. *pisi* PCR positive isolates.	61.00	9 days	/
Mycology - See p.8/9 "Seed health quality"				
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
PA-ES-CHO	Pathogenic fungal flora (derivated from ISTA method 7-004). ***Leptosphaeria maculans*** and/or ***Plenodomus biglobosus (Phoma lingam), Alternaria brassicae, Alternaria brassicicola, Alternaria japonica, Sclerotinia sclerotiorum***, *Botrytis cinerea, Phoma* sp.	88.00	19 days	400
PA-PH-CHO	***Leptosphaeria maculans*** et/ou ***Plenodomus biglobosus*** (*Phoma lingam*). Agar method (ISTA 7-004).	217.00	25 days	1000
PA-ALB-CHO	***Albugo candida.*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MI-CHO	***Hyaloperonospora parasitica*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MICHOGO	***Hyaloperonospora parasitica*** (downy mildew) viable. Grow-out method.	104.00	42 days	400
PA-MICHOPL	*Plasmodiophora brassicae.* Grow-out method.	222.00	75 days	100
Brome				
PA-CH-BRO	*Ustilago bromivora* and *Ustilago striiformis*. Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Cocksfoot/ Orchard Grass				
PA-NT1-DAC	***Epichloë mollis (Neotyphodium typhinum).*** Staining method. **Untreated seeds only**.	194.00	16 days	100

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Cocksfoot/ Orchard Grass				
PA-NT2-DAC	**Epichloë mollis *(Neotyphodium typhinum)*** viable. Grow-out and serological method.	572.00	40 days	100
PA-ES-DAC	Pathogenic fungal flora. ***Helminthosporium siccans (Pyrenophora lolii), Helminthosporium dictyoïdes (Pyrenophora dictyoïdes), Colletotrichum graminicola (Glomerella graminicola),*** *Fusarium* (all sections), *Botrytis* sp., *Helminthosporium* sp.	88.00	19 days	400
Fescue				
PA-NT1-FET	***Epichloë coenophiala (Neotyphodium coenophialum).*** Staining method. **Untreated seeds only.**	194.00	16 days	100
PA-NT2-FET	***Epichloë coenophiala (Neotyphodium coenophialum).*** Serological method (ISTA 7-015). **Untreated seeds only.**	516.00	16 days	100
PA-NT3-FET	***Epichloë coenophiala (Neotyphodium coenophialum)*** viable. Grow-out and serological method.	572.00	40 days	100
PA-ES-FET	Pathogenic fungal flora. ***Helminthosporium siccans (Pyrenophora lolii), Helminthosporium dictyoïdes (Pyrenophora dictyoïdes),*** *Microdochium* spp., *Fusarium* (all sections), *Botrytis* sp., *Helminthosporium* sp.	88.00	19 days	400
Thimoty grass				
PA-NT1-FLE	***Neotyphodium*** spp. Staining method. **Untreated seeds only**.	194.00	16 days	100
Alfalfa				
PA-ES-LUZ	Pathogenic fungal flora. ***Phoma medicaginis (Ascochyta imperfecta), Fusarium oxysporum, Fusarium avenaceum,*** *Verticillium* spp., *Stemphylium* sp., *Sclerotinia* sp., *Colletotrichum* sp., *Botrytis cinerea, Fusarium* (all sections).	88.00	19 days	400
Millet				
PA-CH-MIL	*Ustilago sp., Sphacelotheca destruens* or *Tolyposporium penicillariae.* Depending on the species. **Please indicate the Latin name of millet.** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Meadow Grass				
PA-NT1-PAT	*Neotyphodium* spp. Staining method. **Untreated seeds only.**	194.00	16 days	100
Pea				
PA-ES-POID	Pathogenic fungal flora with superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella),*** *Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-POI	Pathogenic fungal flora without superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella),*** *Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Treated seeds only.**	88.00	19 days	400
PA-MI-POI	***Peronospora viciae (Peronospora pisi)*** (downy mildew). Seed wash method**. Untreated seeds only.**	85.00	15 days	500
PA-ANT-POI	***Ascochyta pisi.*** Agar method (ISTA 7-005).	92.00	19 days	400
Radish				
PA-MI-RAD	***Hyaloperonospora parasitica (Peronospora parasitica)*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MIRADGO	***Hyaloperonospora parasitica (Peronospora parasitica)*** (downy mildew) viable. Grow-out method.	104.00	42 days	400
Rye-grass				
PA-NT1-RAY	***Neotyphodium lolii.*** Staining method. **Untreated seeds only.**	194.00	16 days	100
PA-NT2-RAY	***Neotyphodium lolii.*** Serological method (ISTA 7-015). **Untreated seeds only.**	516.00	16 days	100
PA-NT3-RAY	***Neotyphodium lolii*** viable. Grow-out and serological method.	572.00	40 days	100

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay [40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Rye-grass				
PA-ES-RAY	Pathogenic fungal flora. ***Helminthosporium siccans (Pyrenophora lolii), Helminthosporium dictyoïdes (Pyrenophora dictyoïdes),*** *Microdochium* spp.*, Fusarium* (all sections), *Botrytis* sp., *Helminthosporium* sp.	88.00	19 days	400
Clover				
PA-ES-TRE	Pathogenic fungal flora. ***Phoma medicaginis* (*Ascochyta imperfecta*), *Fusarium oxysporum*, *Fusarium avenaceum***, *Verticillium* spp., *Stemphylium* sp., *Sclerotinia* sp., *Colletotrichum* sp., *Botrytis cinerea, Fusarium* (all sections).	88.00	19 days	400
Nematology				
Alfalfa				
PA-NE-LUZP	***Ditylenchus dipsaci***. **Untreated seed only.** Prescreening by seed extract PCR. Price valid during the test period (September to March). Analysis performed on a 100 grams test sample.	55.00	10 days	200g
PA-NE-LUZ	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	100g
Rye-grass				
PA-NE-RAY	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	70g
Clover				
PA-NE-TRE	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	70g
All species				
PA-NE-VIA	Supplement for viability measure of ***Ditylenchus dipsaci staining method.***	92.00	/	/
PA-NE-TTES	Supplement for counting of ***Ditylenchus dipsaci*** and/or ***gigas.****	107.00	/	/
Plants (leaves and stems)				
PA-NE-PLAN	***Ditylenchus dipsaci**** [40] Anses MOA013 parts A and B.	71.00	16 days	/
Virology - Uncoated seeds only				
Beet, Cucurbita sp., Citrulus sp., Bean, Pea				
PA-VI-37 NEW	*Tomato black ring virus* (TBRV). ELISA.	136.00	16 days	2000
Carrot, Coriander, Capsicum/Pepper, Tomato, Alfalfa				
PA-VI-71	*Alfalfa mosaic virus* (AMV). ELISA.	136.00	16 days	2000
Pea				
PA-VI-31	*Pea early-browning virus* (PEBV). ELISA (ISTA 7-024).	136.00	16 days	2000
PA-VI-57	*Pea enation mosaic virus* (PEMV). ELISA.	210.00	16 days	2000
PA-VI-58	*Beet yellows virus* (BYV). ELISA.		Contact SNES	
PA-VI-60	*Bean yellow mosaic virus* (BYMV). ELISA.		Contact SNES	
PA-VI-67	*Bean leaf roll virus* (BLRV). ELISA.		Contact SNES	
PA-VI-88 NEW	*Southern bean mosaic virus* (SBMV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Virology - Uncoated seeds only

		Price	Duration	Size
Pea, Vetch				
PA-VI-11	*Pea seed borne mosaic virus* (PSbMV). ELISA (ISTA 7-024).	136.00	16 days	2000
PA-VI-50	*Broad bean true mosaic virus* (BBTMV). ELISA.		Contact SNES	
Vetch				
PA-VI-68	*Cauliflower mosaic virus* (CaMV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

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

		Price	Duration	Size
Brome				
PA-R-BRO	*Xanthomonas campestris* pv. *graminis.*	227.00	/	162
Cabbage				
PA-R-CHO	*Fusarium oxysporum* f. sp. *conglutinans* race 1.	320.00	/	45
PA-R-CHO-1	*Plasmodiophora brassicae.*	231.00	/	45
Cruciferous				
PA-R-CRU	*Heterodera schachtii.*	575.00	/	60
PA-R-CRU1	*Meloidogyne incognita.*	144.00	/	45
PA-R-CRU2	*Meloidogyne hapla.*	144.00	/	45
PA-R-CRU3	*Meloidogyne javanica.*	144.00	/	45
Festulolium, Fescue, Rye-grass, Italian Rye-grass				
PA-R-RAY	*Xanthomonas translucens* pv *graminis.*	206.00	/	162
Alfalfa				
PA-R-LUZ-1	*Ditylenchus dipsaci.*[40]	569.00	/	2000
PA-R-LUZ-2	*Verticillium albo-atrum.*	444.00	/	500
PA-R-LUZ-3	*Colletotrichum trifolii.*	204.00	/	500
PA-R-LUZ-4	*Sclerotinia trifoliorum.*	333.00	/	500
PA-R-LUZ-5	*Fusarium oxysporum* f. sp. *medicaginis.*	333.00	/	500
PA-R-IDCOL	Identification of the race of *Colletotrichum trifolii.*	361.00	/	/
Pea				
PA-R-POI-1	*Ascochyta pisi* race C.	86.00	/	30
PA-R-POI-2	*Fusarium oxysporum* f. sp. *pisi* race 1.	96.00	/	30
PA-R-POI-3	BYMV (*Bean yellow mosaic virus*).	82.00	/	30
PA-R-POI-4	PEMV (*Pea enation mosaic virus*).	82.00	/	30
PA-R-POI-5	*Erysiphe pisi.*	142.00	/	30

Technological qualities : biochemical tests

Alfalfa		
BI-B-SPEC-TAN	Tannin content (assay by spectrophotometry).	Contact BioGEVES
Pea		
BI-B-SPEC-TAN	Tannin content (assay by spectrophotometry).	Contact BioGEVES
BI-B-SPEC-FAT	Antitrypsic factors (assay by spectrophotometry).	Contact BioGEVES

Genotyping by molecular biology

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

* COFRAC assay

[40] Quarantine parasite

			Price	Duration	Size
Genotyping by molecular biology					
Pea					
BI-G-BM-SSR-CID		Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90		Varietal purity analysis.		Contact BioGEVES	
Field test by SEV					
Forage grasses					
SEV-DHS-DACFET		DUS Testing of **Cocksfoot, Tall fescue**.	1 140.00	/	/
SEV-DHS-BRO		DUS Testing of **Brome.**	935.00	/	/
SEV-DHS-FES		DUS Testing of **Festulolium.**	935.00	/	/
Turf grasses					
SEV-DHS-FETG		DUS Testing of **Tall fescue**.	1 140.00	/	/
SEV-RETEST-GAZ	NEW	New assessment of the value in use of a variety of turf in the catalogue : over 3 years, price per year.	2000.00	/	/
Forage legumes					
SEV-DHS-POIF		DUS Testing of **Field Pea**.	935.00	/	/
SEV-DHS-SAI		DUS Testing of **Sainfoin.**	935.00	/	/
SEV-DHS-LUZ		DUS Testing of **Alfalfa.**	1 250.00	/	/
Other forrages species					
SEV-DHS-AUTFOU		DUS Testing of **Salzmann's restharrow, Fenugreek, Dwarf chickling vetch, Chickling vetch, Hybrid vetch, Field Pea, Berseem clover, Crimson clover, Balansa clover, Persian clover, Clover squarrosum, Arrow-leaf clover, Common Vetch, Hairy vetch, Hungarian vetch, Reddich turfted vetch.**	935.00	/	/

PUBLICATIONS

		Price	Duration	Size
Germination methods sheets				
VIG-2-M	Vigour testing methods – Conductivity - **Pea.**	7.00	/	/
Germination analysis technical sheet				
GE-T-CHOU	Technical sheet for evaluation of **Cabbage** seedlings.	27.50	/	/
GE-T-LUZ	Technical sheet for evaluation of **Alfafa** seedlings.	27.50	/	/
GE-T-POI	Technical sheet for evaluation of **Pea** seedlings.	27.50	/	/
GE-T-RAD	Technical sheet for evaluation of **Radish** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-1	*Gramineae (Lolium spp. , Festuca arundinacea , Festuca* cf. *ovina rubra , Festuca pratensis, Dactylis glomerata).*	27.50	/	/
AP-C-1B	*Trifolium* spp.	27.50	/	/
AP-C-4	*Brassica napus.*	27.50	/	/
AP-C-7	*Medicago sativa, Trifolium pratense.*	27.50	/	/
AP-C-8	*Pisum sativum, Vicia faba.*	27.50	/	/
AP-C-11	*Vicia sativa.*	27.50	/	/
AP-M-2	Seed blower calibration for uniform blowing (*Dactylis glomerata, Poa pratensis, Poa trivialis).*	27.50	/	/
Identification data sheet of seeds and other impurities				
AP-A-03	Polygonaceae (*Persicaria maculosa*, *Persicaria lapathifolia*, *Fallopia convolvulus*, *Polygonum aviculare*, Rumex sp., *Rumex acetosella, Rumex maritimus*).	27.50	/	/
AP-A-04	*Chenopodium* sp., *Atriplex* sp., *Amaranthus* sp., *Reseda* sp., *Myosotis* sp.	27.50	/	/
AP-A-05	*Lathyrus* spp. *(Lathyrus sylvestris, Lathyrus latifolius, Lathyrus hirsutus, Lathyrus tuberosus, Lathyrus odoratus, Lathyrus aphaca, Lathyrus pratensis, Lathyrus sativus, Lathyrus cicera).*	27.50	/	/
AP-A-06	Asteraceae (*Anthemis arvensis*, *Glebionis segetum*, *Chicorium* sp., *Tripleurospermum inodorum*, *Helminthotheca echioïdes*, *Lapsana communis*, *Lactuca sativa*, *Sonchus* spp., *Cirsium arvense*, *Cirsium vulgare*, *Centaurea cyanus*).	27.50	/	/
AP-P-1	*Cuscuta* spp.	27.50	/	/

* COFRAC assay

[40] Quarantine parasite

Fodder plants

		Price	Duration	Size
Identification data sheet of seeds and other impurities				
AP-P-2	*Claviceps purpurea - Sclerotinia sclerotiorum.*	27.50	/	/
Collection of seeds				
APCS-BRA-N	Seeds collection - Weed's identification for ***Brassica napus*** analysis.	196.00	/	/
APCS-MED-S	Seeds collection - Weed's identification for ***Medicago sativa*** and ***Trifolium pratense*** analysis.	196.00	/	/
APCS-PIS-S	Seeds collection - Weed's identification for ***Pisum sativum*** and ***Vicia faba*** analysis.	196.00	/	/

* COFRAC assay

[40] Quarantine parasite

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-14	Hemp*.	39.60	/	/
PU-IS-15	Flax*.	39.60	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-13	Hemp*.	68.00	/	/
SP-IS-14	Flax*.	39.30	/	/
Determination of other seeds - Untreated seeds only				
Hemp				
SP-ORO-01	Determination of *Orobanche* spp. seeds on 100 g. **Provide sorted out sample in separated sachets.**	64.00	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-05	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other field crop species.**	51.00	/	1 kg
Radiography				
RX-IS-13	Measurements using 3D tomography of the fill rate of seeds. Medium resolution tomography up to 1000 hemp seeds. (Including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report with the supply of 10 images in 2D section in .jpeg format.	316.00	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-14-4	Hemp*.	47.00	/	1250
GE-FG-15-4	Flax*.	45.40	/	1250
Germination test on 200 seeds				
GE-FG-14-2	Hemp.	35.40	/	500
GE-FG-15-2	Flax.	35.90	/	500

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Hemp				
PA-ES-CHA	Pathogenic fungal flora. ***Botrytis cinerea,*** *Sclerotinia sclerotiorum.*	110.00	23 days	400
Flax				
PA-ES-LIN	Pathogenic fungal flora. ***Botrytis cinerea, Phoma exigua (Boeremia exigua), Colletotrichum lini (Colletotrichum linicola), Alternaria linicola, Fusarium*** **(all sections).**	88.00	23 days	400
PA-BOT-LIN	*Alternaria linicola, Botrytis cinerea, Colletotrichum lini (Colletotrichum linicola).* Agar method (ISTA 7-007).	87.00	23 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

EVALUATION OF VARIETIES

Genotyping by molecular biology

Flax

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

Technological qualities: biochemical tests

Flax

		Price	Duration	Size
BI-B-CPG-AG	Fatty acid composition (Method GC).		Contact BioGEVES	
BI-B-RMN-H	Oil content (NMR).		Contact BioGEVES	

Field test by SEV

		Price	Duration	Size
SEV-DHS-LINCHA	DUS Testing for **Flax, Linseed, Hemp.**	1 040.00	/	/

PUBLICATIONS

Germination analysis technical sheet

		Price	Duration	Size
GE-T-LIN	Technical sheet for evaluation of **Flax** seedlings.	27.50	/	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	21.50	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	20.80	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-05	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other field crop species.**	51.00	/	1 kg
Radiography				
RX-IS-09	Measurements using 3D tomography of volumes and surface areas for embryo, endosperm, radicle, coleoptile, and full seed (data per seed): high resolution tomography up to 15 **Corn** seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report.	254.00	/	/
RX-IS-10	Mechanical crack and other internal seed damage detection and measurements (data per seed) using 3D tomography: high resolution tomography up to 15 **Corn** seeds (including: sample preparation, scan, reconstruction and measurements extraction). Results are delivered in the form of a detailed statistical report.	193.80	/	/
RX-IS-11	Providing 30 .jpeg images in 2D slices (10 images for 5 seeds).	10.20	/	/
RX-IS-07	Production of a video of a 3D rendering of the sample including visualization in stack of 2D slices.	20.70	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-01-4	Wheat*, Spelt*, Barley*, Oats*, Rice*, Triticale*, Rye*, Buckwheat*, Corn*, Sorghum*.	42.70	/	1250
Germination test on 200 seeds				
GE-FG-01-2	Wheat, Spelt, Barley, Oats, Rice, Triticale, Rye, Buckwheat, Corn, Sorghum.	35.30	/	500
Vigour test				
GE-CO	Cold-test on 400 seeds.	58.00	/	1000
GE-CO2	Cold-test on 200 seeds.	37.10	/	500
GE-VIEI-2	Accelerated ageing of 200 seeds including germination capacity.	76.00	/	500
GE-EM	Radicle emergence test on 200 seeds (ISTA test) - **Rapeseed, Corn.**	64.00	/	/
GE-RAC NEW	**Corn** root length evaluation after 7 days germination at 15°C (4 replicates of 20 seeds).	65.00	/	/

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Corn				
PA-ES-MAID	Pathogenic fungal flora with superficial disinfection. ***Helminthosporium carbonum (Bipolaris zeicola), Fusarium* (section *Liseola* and other sections)**, *Cephalosporium* sp., *Helminthosporium maydis (Bipolaris maydis), Diplodia maydis (Stenocarpella maydis), Diplodia macrospora (Stenocarpella macrospora), Colletotrichum graminicola, Nigrospora* sp., *Botrytis* sp. **Untreated seeds only.**	92.00	19 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Corn and sorghum

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Corn				
PA-ES-MAI	Pathogenic fungal flora without superficial disinfection. ***Helminthosporium carbonum (Bipolaris zeicola), Fusarium* (section *Liseola* and other sections)**, *Cephalosporium* sp., *Helminthosporium maydis (Bipolaris maydis), Diplodia maydis (Stenocarpella maydis), Diplodia macrospora (Stenocarpella macrospora), Colletotrichum graminicola, Nigrospora* sp., *Botrytis* sp. **Treated seeds only.**	88.00	19 days	400
PA-CH-MAIS	*Ustilago maydis* and *Sphacelotheca reiliana.* Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MI-MAIS	*Sclerospora* spp., *Sclerophtora* spp., *Peronosclerospora* spp. Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Sorghum				
PA-ES-SOR	Pathogenic fungal flora. ***Helminthosporium oryzae (Bipolaris oryzae), Helminthosporium sorghicola (Bipolaris cookei), Fusarium moniliforme,* sp.**, *Fusarium*sections), *Macrophomina phaseolina, Helminthosporium*	88.00	19 days	400
Virology - Uncoated seeds only				
Corn				
PA-VI-44	*Maize dwarf mosaic virus* (MDMV). ELISA on plantlets.	265.00	37 days	1000
PA-VI-66	*Maize chlorotic mottle virus* (MCMV). ELISA on plantlets.	265.00	37 days	1000
PA-VI-62	*High plains wheat mosaic virus* (HPWMoV). ELISA on plantlets.	265.00	37 days	1000
PA-VI-89	*Sugarcane mosaic virus* (SCMV) ELISA on plantlets.	265.00	37 days	1000
PA-VI-92	*Wheat streak mosaic virus* (SCMV) ELISA on plantlets.	265.00	37 days	1000
PA-VI-59	2 pathogens: *Maize dwarf mosaic virus* (MDMV) and *Sugarcane mosaic virus* (SCMV). ELISA on plantlets.	415.00	37 days	1000
PA-VI-79	2 pathogens: *Sugarcane mosaic virus* (SCMV), *Wheat streak mosaic virus* (WSMV). ELISA on plantlets.	415.00	37 days	1000
PA-VI-85	2 pathogens: *Maize chlorotic mottle virus* (MCMV) and *Wheat streak mosaic virus* (WSMV). ELISA on plantlets	415.00	37 days	1000
PA-VI-54	pathogens: *Maize chlorotic mottle virus Maize dwarf mosaic virusSugarcane mosaic virusstreak mosaic virus* (WSMV). ELISA on plantlets.	750.00	37 days	1000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

		Price	Duration	Size
Genotyping by protein profiling				
Corn				
BI-G-EL-DVAR-M-19	Description of a lineage for 19 loci out of 4 seedlings.	Contact BioGEVES		
BI-G-EL-DVAR-M-14	Description of a lineage for 14 loci out of 4 seedlings.	Contact BioGEVES		
BI-G-EL-CID-M-10	Identity check test of a line or a hybrid in relation to genitors declared for 14 loci out of 10 grains.	Contact BioGEVES		
BI-G-EL-CID-M-30	Identity check test of a line or a hybrid in relation to genitors declared for 14 loci out of 30 grains.	Contact BioGEVES		
Genotyping by molecular biology				
Corn				
BI-G-BM-SSR-CID	Varietal identity control.	Contact BioGEVES		
BI-G-BM-SSR-PUR-90	Varietal purity analysis.	Contact BioGEVES		
BI-G-BM-SSR-CONF	Hybrid conformity.	Contact BioGEVES		

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Genotyping by molecular biology				
Sorghum				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
Technological qualities: biochemical tests				
Sorghum				
BI-B-SPEC-TAN	Tannin content (assay by spectrophotometry).		Contact BioGEVES	
Detection, identification and quantification of GMOs				
Corn				
BI-D-OGM	Detection of the adventitious presence of GMOs in raw products (seeds, List of methods available on request.		Contact BioGEVES	
BI-D-OGM	Identification and quantification of GMO events*. List of methods available on request.		Contact BioGEVES	
Field test by SEV				
SEV-DHS-MAIS	DUS Testing for **Corn.**	1 040.00	/	/
SEV-DHS-SOR	DUS Testing for **Sorghum.**	1 040.00	/	/

PUBLICATIONS (only in French)

		Price	Duration	Size
Germination analysis technical sheet				
GE-FAP-ZM	Technical sheet for evaluation of **Corn** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-6	*Zea mays.*	27.50	/	/
AP-C-17	*Sorghum bicolor.*	27.50	/	/
Collection of seeds				
APCS-ZEA-M	Seeds collection - Weed's identification for ***Zea mays*** analysis.	196.00	/	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity				
PU-TRI-COU	Sorting by color (separation of colored components and indication of the result expressed in number and in % of number).	27.90	/	/
Purity analysis test (3 components)				
PU-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	21.50	/	/
PU-IS-16	Sunflower*.	20.80	/	/
PU-IS-17	Cabbage-Turnip*, Rutabaga*.	34.00	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-02	Field bean*, Faba bean*, Lupin*, Pea*, Corn*, Sorghum*, Soybean*.	20.80	/	/
SP-IS-15	Sunflower*.	63.00	/	/
SP-IS-16	Cabbage-Turnip*, Rutabaga*.	106.00	/	/
Determination of other seeds by number - Limited search: Avena fatua,ludoviciana,Sterilis, sp., Rumex R. acetosella, Raphanus raphanistrumSclerotia or Sclerotia fragments by ISTA weight				
SP-AFCR-09	Rapeseed*, Mustard*, Turnip rape*.	70.00	/	/
Moisture content - Provide seeds in sealed foil sachets				
TE-SN-01	Moisture content. Oven* or humidity meter method.	17.80	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-05	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other field crop species.**	51.00	/	1 kg

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-02-4	Field bean*, Faba bean*, Lupin*, Pea*, Soybean*.	44.70	/	1250
GE-FG-16-4	Sunflower.*	42.30	/	1250
GE-FG-17-4	Rapeseed*, Mustard*, Turnip Rape*.	45.70	/	1250
Germination test on 200 seeds				
GE-FG-02-2	Field bean, Faba bean, Lupin, Pea, Soybean.	37.10	/	500
GE-FG-16-2	Sunflower.	33.10	/	500
GE-FG-17-2	Rapeseed, Mustard, Turnip Rape.	34.90	/	500
Vigour test				
GE-CO-TO-4	Cold Test (400 seeds) - **Sunflower.**	58.00	/	1250
GE-CO-TO-2	Cold Test (200 seeds) - **Sunflower.**	37.10	/	500
GE-EM-TO	**Sunflower** Vigour test - Early count in cold (200 seeds).	29.10	/	/
GE-DET-1	Controlled deterioration of 200 seeds including germination capacity.	76.00	/	500
GE-EM	Radicle emergence test on 200 seeds (ISTA test) - **Rapeseed, Corn.**	64.00	/	/
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species.* 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 like test TE-SN-01.	47.30	/	500
Fluorescence				
GE-FLUO	Chlorophyll fluorescence measurement (information about seed maturity).	6.70	/	/

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Bacteriology

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen

		Price	Duration	Size
PA-BA-04	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	184.00	41 days	30000
PA-BA-57	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	219.00	41 days	40000
PA-BA-63	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	321.00	41 days	60000
PA-BA-03	*Xanthomonas campestris* pv. *campestris.* Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019a).	189.00	41 days	30000
PA-BA-105	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	223.00	41 days	30000
PA-BA-58	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	292.00	41 days	40000
PA-BA-64	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	439.00	41 days	60000
PA-BA-05	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019b).	234.00	41 days	30000
PA-BA-29	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-59	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	219.00	41 days	40000
PA-BA-65	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	321.00	41 days	60000
PA-BA-30	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	223.00	41 days	30000
PA-BA-60	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	292.00	41 days	40000
PA-BA-66	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	439.00	41 days	60000
PA-BA-10	*Pseudomonas syringae* pv. *maculicola.* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-33	*Pseudomonas syringae* pv. *maculicola* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies.	220.00	41 days	30000

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.

PA-BA-06	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	220.00	41 days	30000
PA-BA-61	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	265.00	41 days	40000
PA-BA-78	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	398.00	41 days	60000
PA-BA-07	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	265.00	41 days	30000
PA-BA-62	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	353.00	41 days	40000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Bacteriology				
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
PA-BA-67	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **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	60000
PA-BA-45	*Xanthomonas campestris* pv. *campestris* + *Pseudomonas syringae* pv. *maculicola.* Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	252.00	41 days	30000
PA-BA-46	*Xanthomonas campestris* pv. *armoraciae* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies.	252.00	41 days	30000
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 3 pathogens.				
PA-BA-08	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	305.00	41 days	30000
Soybean				
PA-BA-27	*Pseudomonas savastanoi pv. glycinea*.* Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/04).	160.00	31 days	5000
Sunflower				
PA-BA-87	*Pseudomonas syringae* pv. *helianthi.* Grinding and agar method + pathogenicity test in case of suspect colonies.	233.00	31 days	5000
PA-BA-100	*Xanthomonas arboricola.* Grinding and agar method + pathogenicity test in case of suspect colonies.	233.00	41 days	5000
PA-BA-122	*Pseudomonas cichorii.* Agar method and pathogenicity test in case of suspect colonies.	239.00	36 days	5000
Mycology - See p.8/9 "Seed health quality"				
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
PA-ES-CHO	Pathogenic fungal flora (derivated from ISTA method 7-004). ***Leptosphaeria maculans*** and/or ***Plenodomus biglobosus (Phoma lingam), Alternaria brassicae, Alternaria brassicicola, Alternaria japonica, Sclerotinia sclerotiorum***, *Botrytis cinerea, Phoma* sp.	88.00	19 days	400
PA-PH-CHO	***Leptosphaeria maculans*** et/ou ***Plenodomus biglobosus*** (*Phoma lingam*). Agar method (ISTA 7-004).	217.00	25 days	1000
PA-ALB-CHO	***Albugo candida.*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MI-CHO	***Hyaloperonospora parasitica*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MICHOGO	***Hyaloperonospora parasitica*** (downy mildew) viable. Grow-out method.	104.00	42 days	400
PA-MICHOPL	*Plasmodiophora brassicae.* Grow-out method.	222.00	75 days	100
Carnation				
PA-ES-OEI	Pathogenic fungal flora. ***Helminthosporium papaveris (Alternaria papavericola),*** *Fusarium* (all sections), *Botrytis* sp., *Alternaria* sp.	88.00	19 days	400
Soybean				
PA-PHO-SOJ	***Phomopsis complex.*** Agar method (ISTA 7-016). **Out of ISTA scope:** detection by request of ***Phomopsis Complex***, *Fusarium* (all sections), *Stemphylium botryosum, Colletotrichum dematium, Botrytis* sp., *Phoma* sp. Blotter method (derivated from ISTA 7-003).	94.00	19 days	400
Sunflower				
PA-ES-TOU	Pathogenic fungal flora. ***Botrytis cinerea, Sclerotinia sclerotiorum****,helianthi (Alternariaster helianthi).* Blotter method derivated from ISTA method	110.00	23 days	400
PA-BOT-TOU	Pathogenic fungal flora. ***Botrytis cinerea.*** Blotter method (ISTA 7-003).	107.00	23 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Oil plants

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Sunflower				
PA-PHOTOUD	Pathogenic fungal flora with superficial disinfection. ***Phomopsis helianthi (Diaporthe helianthi)***, *Botrytis cinerea, Sclerotinia sclerotiorum, Alternaria helianthi (Alternariaster helianthi).* Agar method. **Untreated seeds only.**	92.00	23 days	400
PA-PHO-TOU	Pathogenic fungal flora without superficial disinfection. ***Phomopsis helianthi (Diaporthe helianthi),*** *Botrytis cinerea, Sclerotinia sclerotiorum, Alternaria helianthi (Alternariaster helianthi).* Agar method.**Treated seeds only.**	88.00	23 days	400
PA-RO-TOU	***Puccinia helianthi*** (rust). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-SEP-TOU	***Septoria helianthi*** (leaf spot). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ALB-TOU	***Albugo tragopogonis (Pustula tragopogonis)*** (white rust). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Virology - Uncoated seeds only				
Cucumis sp., Sunflower				
PA-VI-56	*Cucumber mosaic virus* (CMV). ELISA.	210.00	16 days	2000
Bean, Sunflower				
PA-VI-61	*Tobacco streak virus* (TSV). ELISA.	250.00	16 days	1000
Soybean				
PA-VI-13	*Soy bean mosaic virus* (SMV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
Rapeseed				
PA-R-COL	*Plasmodiophora brassicae* P1+.	229.00	/	45
PA-R-COL1	*Plasmodiophora brassicae* P1-.	229.00	/	45
PA-R-COL1	*Plasmodiophora brassicae* P2+.	229.00	/	45
PA-R-COL3	*Plasmodiophora brassicae* P2-.	229.00	/	45
PA-R-COL4	*Plasmodiophora brassicae P3+.*	229.00	/	45
PA-R-COL5	*Plasmodiophora brassicae P3-.*	229.00	/	45
PA-R-COL6	*Plasmodiophora brassicae* P5-.	229.00	/	45
PA-RIDPLA1	Identification of *Plasmodiophora brassicae* pathotype, by isolate.	412.00	/	soil or galls
Sunflower				
PA-ID-PLA	Identification of the race of *Plasmopara halstedii.*	257.00	/	/
PA-RIDPLA2	*Plasmopara halstedii* resistance to mephenoxam, by isolate.	80.00	/	/
PA-R-TOU30	Evaluation of efficiency of treatment.			Contact SNES
Sunflower - On 30 plants (hybrids). For all requests for 9 races during the CTPS test period (April-May) or any request for 9 races outside CTPS test periods but on a minimum of 20 varieties, a 20% discount will be carried out.				
PA-R-TOU-1	*Plasmopara halstedii* race 100.	82.00	/	45
PA-R-TOU-2	*Plasmopara halstedii* race 304.	82.00	/	45
PA-R-TOU-3	*Plasmopara halstedii* race 307.	82.00	/	45
PA-R-TOU-4	*Plasmopara halstedii* race 314.	82.00	/	45
PA-R-TOU-5	*Plasmopara halstedii* race 334.	82.00	/	45
PA-R-TOU-6	*Plasmopara halstedii race 703.*	82.00	/	45

* COFRAC assay [40] Quarantine parasite

		Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.				
Sunflower - On 30 plants (hybrids). For all requests for 9 races during the CTPS test period (April-May) or any request for 9 races outside CTPS test periods but on a minimum of 20 varieties, a 20% discount will be carried out.				
PA-R-TOU-7	*Plasmopara halstedii* race 704.	82.00	/	45
PA-R-TOU-8	*Plasmopara halstedii race 710.*	82.00	/	45
PA-R-TOU-9	*Plasmopara halstedii race 714.*	82.00	/	45
PA-R-TOU20	*Plasmopara halstedii race 774.*	82.00	/	45
PA-R-TOU29	*Plasmopara halstedii 9 races package for 40 varieties (by variety and race).*	45.20	/	45(x 9)
PA-R-TOU19	*Plasmopara halstedii intermediate resistance on plantlets, by race.*	69.00	/	45
Sunflower - On 60 plants (lines)				
PA-R-TOU10	*Plasmopara halstedii race 100.*	143.00	/	90
PA-R-TOU11	*Plasmopara halstedii race 304.*	143.00	/	90
PA-R-TOU12	*Plasmopara halstedii* race 307.	143.00	/	90
PA-R-TOU13	*Plasmopara halstedii* race 314.	143.00	/	90
PA-R-TOU14	*Plasmopara halstedii race 334.*	143.00	/	90
PA-R-TOU15	*Plasmopara halstedii race 703.*	143.00	/	90
PA-R-TOU16	*Plasmopara halstedii* race 704.	143.00	/	90
PA-R-TOU17	*Plasmopara halstedii* race 710.	143.00	/	90
PA-R-TOU18	*Plasmopara halstedii* race 714.	143.00	/	90
PA-R-TOU21	*Plasmopara halstedii* race 774.	143.00	/	90

Genotyping by protein profiling

Rapeseed

BI-G-EL-DVAR-C	Description of a variety for 6 loci out of 10 seedlings.	Contact BioGEVES
BI-G-EL-PUR-C-100P	Purity test of a batch for 6 loci out of 100 seedlings.	Contact BioGEVES

Soybean

BI-G-EL-DVAR-S	Description of a variety for 6 loci on 20 seeds.	Contact BioGEVES
BI-G-EL-PUR-S-200G	Purity test of a batch for 6 loci out of 200 seedlings.	Contact BioGEVES

Genotyping by molecular biology

Rapeseed

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

Soybean

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

Sunflower

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

Technological qualitie : biochemical tests

Camelina

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

Rapeseed

BI-B-CPG-AG	Fatty acid composition.	Contact BioGEVES
BI-B-HPLC-GLU	Glucosinolate content on grains (HPLC method).	Contact BioGEVES
BI-B-HPLC-GLU	Glucosinolate content on entire plants (HPLC method).	
BI-B-RMN-H	Oil content (NMR).	Contact BioGEVES

White and brown Mustard

BI-B-HPLC-GLU	Glucosinolate content (HPLC method).	Contact BioGEVES

Soybean

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

* COFRAC assay

[40] Quarantine parasite

			Price	Duration	Size
Technological qualitie : biochemical tests					
Soybean					
BI-B-SPEC-FAT	NEW	Antitrypsic factors (assay by spectrophotometry).		Contact BioGEVES	
Sunflower					
BI-B-CPG-AG		Fatty acid composition (CPG method).		Contact BioGEVES	
BI-B-RMN-H		Oil content (NMR).		Contact BioGEVES	
All oil plants					
BI-B-CPG-AG		Fatty acid composition (CPG method).		Contact BioGEVES	
BI-B-HPLC-GLU		Glucosinolate content (HPLC method).		Contact BioGEVES	
BI-B-RMN-H		Oil content (NMR).		Contact BioGEVES	
Detection, identification and quatification of GMOs					
Rapeseed					
BI-D-OGM		Detection of the adventitious presence of GMOs in raw products (seeds, List of methods available on request.		Contact BioGEVES	
BI-D-OGM		Identification and quantification of GMO events. List of methods available on request.		Contact BioGEVES	
Soybean					
BI-D-OGM		Detection of the adventitious presence of GMOs in raw products (seeds, List of methods available on request.		Contact BioGEVES	
BI-D-OGM		Identification and quantification of GMO events*. List of methods available on request.		Contact BioGEVES	
Field test by SEV					
SEV-DHS-COL		DUS Testing for **Rapeseed.**	1 250.00	/	/
SEV-DHS-TOU		DUS Testing for **Sunflower.**	1 040.00	/	/
SEV-DHS-SOJ		DUS Testing for **Soybean.**	1 040.00	/	/

PUBLICATIONS (only in French)

		Price	Duration	Size
Germination methods sheets				
VIG-1-M	Vigour testing method – **Oilseed rape.**	7.00	/	/
VIG-2-M	Vigour testing methods – Conductivity - **Pea.**	7.00	/	/
GE-M-COL	Germination method of **Oilseed rape**.	7.00	/	/
Germination analysis technical sheet				
GE-T-TOU	Technical sheet for evaluation of **Sunflower** seedlings.	27.50	/	/
GE-FAP-BN	Technical sheet for evaluation of **Oilseed rape** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-2	*Helianthus annuus.*	27.50	/	/
AP-C-3	*Glycine max.*	27.50	/	/
AP-C-4	*Brassica napus.*	27.50	/	/
Identification data sheet of seeds and other impurities				
AP-A-04	*Chenopodium* sp., *Atriplex* sp., *Amaranthus* sp., *Reseda* sp., *Myosotis* sp.	27.50	/	/
AP-P-2	*Claviceps purpurea - Sclerotinia sclerotiorum.*	27.50	/	/
Collection of seeds				
APCS-BRA-N	Seeds collection - Weed's identification for ***Brassica napus*** analysis.	196.00	/	/
APCS-HEL-A	Seeds collection – Weed's identification for ***Helianthus annuus analysis.***	196.00	/	/

* COFRAC assay

[40] Quarantine parasite

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-18	Vegetables*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	27.60	/	/
PU-IS-21	Purity of coated seeds.*	29.60	/	/
Percentage by weight of a specified specie (in addition to the purity analysis test)				
PU-PC-MELI	*Melilotus* sp.	11.80	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-17	Vegetables*,Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	120.00	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-02	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Pea, Bean, Cucurbit.**	43.50	/	1 kg
MN-SN-03	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Carrot, Celery, Parsley.**	63.00	/	1 kg
MN-SN-04	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Other vegetables.**	62.00	/	1 kg
Calibration - Provide seeds in sealed foil sachets				
MN-DK-CAL1	ISTA method (Denker device): inferior or equal to 6 grills.	36.30	/	/
MN-DK-CAL2	ISTA method (Denker device): superior or equal to 6 grills.	46.90	/	/
MN-CA-SEUL	Calibration excluding Denker.	26.80	/	/
MN-SUP	Detail supplement of each grid with results expressed by percentage.	16.50	/	/

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
Germination test on 200 seeds				
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500
Germination test on 100 seeds				
GE-FG-18-1	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	26.30	/	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 (energy + germination test) on 400 seeds				
GE-EGFG-4	Chicory, Field bean, Lettuce.	78.00	/	1250
Cold test germination (energy + germination test) on 200 seeds				
GE-EGFG-2	Chicory, Field bean, Lettuce.	46.40	/	500
Verification of species				
GE-ENR	Verification of species after germination test.	7.80	/	/
Vigour test				
GE-CON-GLO	Conductivity test on 200 seeds on ISTA species.* 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 like test TE-SN-01.	47.30	/	500
Usable plants test				
GE-TX-PL-2	Determination of the rate of usable **Tomato** plants (400 seeds).	84.00	/	500
GE-TX-PL-1	Determination of the rate of usable **Tomato** plants (200 seeds).	64.00	/	300

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

* COFRAC assay

[40] Quarantine parasite

Physiological quality

Treatment of seeds

		Price	Duration	Size
GE-TRAIT	Treatment of seeds to be performed by SNES.	15.80	/	/

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

Bacteriology

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 1 pathogen

		Price	Duration	Size
PA-BA-04	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	184.00	41 days	30000
PA-BA-57	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	219.00	41 days	40000
PA-BA-63	*Xanthomonas campestris* pv. *campestris.* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies).	321.00	41 days	60000
PA-BA-03	*Xanthomonas campestris* pv. *campestris.* Agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019a).	189.00	41 days	30000
PA-BA-105	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	223.00	41 days	30000
PA-BA-58	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	292.00	41 days	40000
PA-BA-64	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies).	439.00	41 days	60000
PA-BA-05	*Xanthomonas campestris* pv. *campestris* - **Disinfected seeds** . Grinding + agar method + counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-019b).	234.00	41 days	30000
PA-BA-29	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-59	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	219.00	41 days	40000
PA-BA-65	*Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies.	321.00	41 days	60000
PA-BA-30	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	223.00	41 days	30000
PA-BA-60	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	292.00	41 days	40000
PA-BA-66	*Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds.** Grinding + agar method + pathogenicity test in case of suspect colonies.	439.00	41 days	60000
PA-BA-10	*Pseudomonas syringae* pv. *maculicola.* Agar method + pathogenicity test in case of suspect colonies.	165.00	41 days	30000
PA-BA-33	*Pseudomonas syringae* pv. *maculicola* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies.	220.00	41 days	30000

Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.

		Price	Duration	Size
PA-BA-06	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	220.00	41 days	30000
PA-BA-61	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	265.00	41 days	40000
PA-BA-78	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani).* Agar method + pathogenicity test in case of suspect colonies (ISTA 7-019a without counting of colonies for Xcc).	398.00	41 days	60000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

Bacteriology

		Price	Duration	Size
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 2 pathogens.				
PA-BA-07	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	265.00	41 days	30000
PA-BA-62	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **Disinfected seeds**. Grinding + agar method + pathogenicity test in case of suspect colonies (ISTA 7-019b without counting of colonies for Xcc).	353.00	41 days	40000
PA-BA-67	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* - **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	60000
PA-BA-45	*Xanthomonas campestris* pv. *campestris* + *Pseudomonas syringae* pv. *maculicola.* Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	252.00	41 days	30000
PA-BA-46	*Xanthomonas campestris* pv. *armoraciae* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies.	252.00	41 days	30000
Brassicaceae (Cabbage, Cauliflower, Broccoli, Radish, Turnip) - Detection of 3 pathogens.				
PA-BA-08	*Xanthomonas campestris* pv. *campestris* + *Xanthomonas campestris* pv. *armoraciae (raphani)* + *Pseudomonas syringae* pv. *maculicola*. Agar method + pathogenicity test in case of suspect colonies colonies (ISTA 7-019a without counting of colonies for Xcc).	305.00	41 days	30000
Dill, Carrot, Coriander, Parsley				
PA-BA-CAND	Detection by PCR of *Candidatus liberibacter solanaceraum*.	109.00	10 days	20000
Carrot				
PA-BA-01	*Xanthomonas hortorum* pv. *carotae.* Agar method and PCR in case of suspect colonies (ISTA 7-020 without counting of colonies).	261.00	29 days	30000
Carrot, Celery, Fennel, Parnship				
PA-BA-02	*Xanthomonas hortorum* pv. *carotae.* Agar method with counting of colonies and PCR in case of suspect colonies (ISTA 7-020).	273.00	29 days	30000
Carrot				
PA-PP-XHC	Confirmation by pathogenicity test of *Xanthomonas hortorum* pv. *carotae* isolates PCR positive.	112.00	60 days	/
Cucurbits (Squash, Cucumber, Melon, Watermelon) - Detection of 1 pathogen				
PA-BA-86	*Xantthomonas cucurbitae.* Agar method + pathogenicity test in case of suspect colonies.	305.00	32 days	5000
PA-BA-88	*Pseudomonas syringae* pv. *lachrymans.* Agar method + pathogenicity test in case of suspect colonies.	305.00	32 days	5000
PA-BA-91	*Pseudomonas syringae* pv. *peponis.* Agar method + identification of strains by PCR in case of suspect colonies.	305.00	24 days	5000
PA-BA-93	*Pseudomonas viridiflava.* Agar method + pathogenicity test in case of suspect colonies.	305.00	32 days	5000
Cucurbits (Squash, Cucumber, Melon, Watermelon) - Detection of 2 pathogens				
PA-BA-89	*Pseudomonas syringae lachrymans* + *Pseudomonas syringae peponis.* Agar method + pathogenicity test and/orof strains by PCR in case of suspect colonies.	345.00	36 days	5000
PA-BA-103	*Pseudomonas syringae* pv. *lachrymans* + *Xanthomonas cucurbitae.* Agar method + pathogenicity test in case of suspect colonies.	364.00	32 days	5000
PA-BA-90	*Pseudomonas syringae* all pathovars. Agar method + pathogenicity test in case of suspect colonies.	345.00	22 days	5000
PA-BA-112	*Acidovorax citrulli.* Grow-out, PCR or pathogenicity test in case of suspect symptoms.	384.00	37 days	10400
Bean - Detection of 1 pathogen				
PA-BA-13-2 NEW	*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* Agar method, identification of strains by qPCR in case of suspect colonies (method derived from Anses MOA 030).	160.00	25 days	5000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Bacteriology

Bean - Detection of 1 pathogen

			Price	Duration	Size
PA-BA-12		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* *Agar method with counting of colonies + identification of strains by PCR in case of suspect colonies (ISTA 7-021 option 2).*	194.00	25 days	5000
PA-BA-13		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).** Agar method, identification of strains by PCR in case of suspect colonies (Anses MOA 030) **for COFRAC certificate.**	160.00	25 days	5000
PA-BA-13-1		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).** Agar method, identification of strains by PCR in case of suspect colonies (Anses MOA 030) **for COFRAC certificate.**	214.00	25 days	10000
PA-BA-13-3	NEW	*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).*Agar method, identification of strains by qPCR in case of suspect colonies (method derived from Anses MOA 030).	214.00	25 days	10000
PA-BA-14		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).** Agar method, identification of strains by PCR in case of suspect colonies (Anses MOA 030) **for COFRAC certificate.**	345.00	25 days	30000
PA-BA-13-4	NEW	*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* Isolement sur milieu + PCR temps réel en cas de souches suspectes (méthode dérivée de Anses MOA 030).	345.00	25 days	30000
PA-BA-44		*Pseudomonas savastanoi* pv. *phaseolicola.* Agar method with counting of colonies + pathogenicity test in case of suspect colonies (ISTA 7-023).	200.00	34 days	5000
PA-BA-34-2	NEW	*Pseudomonas savastanoi* pv. *phaseolicola.* Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	160.00	25 days	5000
PA-BA-34-3	NEW	*Pseudomonas savastanoi* pv. *phaseolicola.* Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	218.00	25 days	10000
PA-BA-35-1	NEW	*Pseudomonas savastanoi* pv. *phaseolicola.* Agar method + identification of strains by qPCR in case of suspect colonies (method derived from Anses BHs/99/02).	380.00	25 days	30000
PA-BA-34		*Pseudomonas savastanoi* pv. *phaseolicola.** Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02) **for COFRAC certificate.**	160.00	34 days	5000
PA-BA-34-1		*Pseudomonas savastanoi* pv. *phaseolicola.** Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02) **for COFRAC certificate.**	218.00	34 days	10000
PA-BA-35		*Pseudomonas savastanoi* pv. *phaseolicola.** Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02) **for COFRAC certificate.**	380.00	34 days	30000
PA-BA-36		*Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies.	174.00	34 days	5000
PA-BA-36-1		*Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies.	225.00	34 days	10000
PA-BA-37		*Pseudomonas syringae pv. syringae.* *Agar method + pathogenicity test in case of suspect colonies.*	390.00	34 days	30000
PA-BA-120		*Xanthomonas axonopodis* pv. *glycinea* Agar method + pathogenicity test in case of suspect colonies.	170.00	34 days	5000

Bean - Detection of 2 pathogens

PA-BA-94		Detection and identification on symptoms (leaves or pods) of *Pseudomonas savastanoi* pv. *phaseolicola + Xanthomonas axonopodis* pv. *phaseoli (and Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)* by PCR.	241.00	7 days	/
PA-BA-15-2	NEW	*Pseudomonas savastanoi* pv. *phaseolicola + Xanthomonas axonopodis* pv. *phaseoli (*and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* Agar method, identification of strains by qPCR in case of suspect colonies (methods derived from Anses BHs/99/02 and MOA 030 respectively).	249.00	25 days	5000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

			Price	Duration	Size
Bacteriology					
Bean - Detection of 2 pathogens					
PA-BA-15-3	NEW	*Pseudomonas savastanoi* pv. *phaseolicola* + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* Agar method, identification of strains by qPCR in case of suspect colonies (methods derived from Anses BHs/99/02 and MOA 030 respectively).	305.00	25 days	10000
PA-BA-15-4	NEW	*Pseudomonas savastanoi* pv. *phaseolicola* + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).* Agar method, identification of strains by qPCR in case of suspect colonies (methods derived from Anses BHs/99/02 and MOA 030 respectively).	435.00	25 days	30000
PA-BA-15		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).** Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and MOA 030 respectively) **for COFRAC certificate.**	249.00	34 days	5000
PA-BA-15-1		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans).** Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and MOA 030 respectively) **for COFRAC certificate.**	305.00	34 days	10000
PA-BA-16		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli*[40] (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans*[40]).* Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and MOA 030 respectively) **for COFRAC certificate.**	435.00	34 days	30000
PA-BA-48		*Xanthomonas axonopodis* pv. *phaseoli (and Xanthomonas axonopodis* pv. *phaseoli var. fuscans)** + *Pseudomonas syringae* pv. *syringae.* Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses MOA 030).	249.00	34 days	5000
PA-BA-50-1		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Pseudomonas syringae* pv. *syringae.* Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses MOA 030).	305.00	34 days	10000
PA-BA-49		*Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Pseudomonas syringae* pv. *syringae.* Identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses MOA 030).	435.00	34 days	30000
PA-BA-50		*Pseudomonas savastanoi* pv. *phaseolicola** + *Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	249.00	34 days	5000
PA-BA-48-1		*Pseudomonas savastanoi* pv. *phaseolicola** + *Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	289.00	34 days	10000
PA-BA-51		*Pseudomonas savastanoi* pv. *phaseolicola** + *Pseudomonas syringae* pv. *syringae.* Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/02).	435.00	34 days	30000
Bean - Detection of 3 pathogens					
PA-BA-17		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Pseudomonas syringae* pv. *syringae.* Agar method, identification of strains pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and derived from MOA 030 respectively).	280.00	34 days	5000
PA-BA-17-1		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Pseudomonas syringae* pv. *syringae.* Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and derived from MOA 030 respectively).	335.00	34 days	10000
PA-BA-18		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Pseudomonas syringae* pv. *syringae.* Agar method, identification of strains pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and derived from MOA 030 respectively).	530.00	34 days	30000
PA-BA-102		*Pseudomonas savastanoi* pv. *phaseolicola** + *Xanthomonas axonopodis* pv. *phaseoli* (and *Xanthomonas axonopodis* pv. *phaseoli* var. *fuscans)** + *Xanthomonas axonopodis* pv. *glycinea.* Agar method, identification of strains by pathogenicity test and/or PCR in case of suspect colonies (Anses BHs/99/02 and MOA 030 respectively).	290.00	34 days	5000
Bean					
PA-PP-XAP		Confirmation by pathogenicity test of *Xanthomonas axonopodis* pv. *phaseoli* isolates PCR positive.	61.00	21 days	/

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Bacteriology				
Lettuce				
PA-BA-95	*Xanthomonas vitians.* Agar method and pathogenicity test in case of suspect colonies.	165.00	36 days	30000
PA-BA-97	*Pseudomonas cichorii.* Agar method and pathogenicity test in case of suspect colonies.	170.00	36 days	30000
PA-BA-98	*Xanthomonas vitians + Pseudomonas cichorii.* Agar method and pathogenicity test in case of suspect colonies.	300.00	36 days	30000
Corn salad				
PA-BA-38	*Acidovorax valerianellae.* Grow-out, symptoms observed on plantlets and confirmation by PCR in case of suspect plantlets. **For untreated seed, a thiram treatment is systematically done in water added to vermiculite.**	211.00	40 days	10000
PA-BA-38-2	**Seeds that require dormancy breaking.** *Acidovorax valerianellae.* Grow-out, symptoms observed on plantlets and confirmation by PCR in case of suspect colonies. **For untreated seed, a thiram treatment is systematically done in water added to vermiculite.**	211.00	47 days	10000
PA-BA-41	Supplement for counting of foci.	15.00	/	/
Pea				
PA-BA-21	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	152.00	28 days	5000
PA-BA-70	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (method derived from Anses BHs/99/03).	228.00	28 days	15000
PA-BA-21-1	*Pseudomonas syringae* pv. *pisi*. Agar method + pathogenicity test in case of suspect colonies (ISTA 7-029).	161.00	31 days	5000
PA-BA-22	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	165.00	31 days	5000
PA-BA-84	*Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies.	230.00	31 days	15000
PA-BA-22-2	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	188.00	31 days	5000
PA-BA-85	*Pseudomonas syringae* pv. *pisi* and *Pseudomonas syringae* pv. *syringae*. Agar method + pathogenicity test in case of suspect colonies (Anses BHs/99/03).	285.00	31 days	15000
PA-PP-PSP	Supplement fee. Confirmation by pathogenicity test of *Pseudomonas syringae* pv. *pisi* PCR positive isolates.	61.00	9 days	/
Tomato				
PA-BA-23	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 5 subsamples of 1000.	158.00	18 days	5000
PA-BA-101	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 5 subsamples of 2000.	158.00	18 days	10000
PA-BA-23-4	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 10 subsamples of 1000.	242.00	18 days	10000
PA-BA-23-5	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 15 subsamples of 1000.	245.00	18 days	15000
PA-BA-71	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 6 subsamples of 5000.	172.00	18 days	30000
PA-BA-69	*Clavibacter michiganensis* subsp. *michiganensis.** By immunofluorescence test (Anses BH/06/01). 10 subsamples of 5000.	239.00	18 days	50000
PA-BA-23-1	*Clavibacter michiganensis* subsp. *michiganensis.** Agar method. (ISF current version with spiking and strain confirmation by PCR then pathogenicity test in case of suspect colonies).	304.00	31 days	30000
PA-BA-23-3	*Clavibacter michiganensis* subsp. *michiganensis.** Agar method. (ISF current version with spiking and strain confirmation by PCR then pathogenicity test in case of suspect colonies).	334.00	31 days	50000
PA-BA-PCR	Supplement fee. Confirmation by PCR of macerates IF positive.	292.00	/	/

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Bacteriology				
Tomato				
PA-PP-CMM	Supplement fee. Confirmation by pathogenicity test of *Clavibacter michiganensis* subsp. *michiganensis PCR positive isolates.*	40.50	10 days	/
Tomato/Capsicum - Detection of 1 pathogen				
PA-BA-25	*Pseudomonas syringae* pv. *tomato.* Agar method + pathogenicity test in case of suspect colonies.	175.00	31 days	30000
PA-BA-26	*Xanthomonas spp.* *Agar method + identification of strains by PCR in case of suspect colonies*	175.00	26 days	30000
PA-BA-92	*Pseudomonas corrugata.* Agar method + pathogenicity test in case of suspect colonies.	245.00	31 days	30000
Tomato/Capsicum - Detection of 2 pathogens				
PA-BA-40	*Pseudomonas syringae* pv. *tomato* and *Xanthomonas spp. pathogenic on tomato and pepper.* *Agar method + pathogenicity test and/or identification of strains by PCR in case of suspect colonies (ISF for Xanthomonas).*	260.00	31 days	30000
PA-BA-125	*Clavibacter michiganensis* subsp. *michiganensis + Xanthomonas* spp. pathogenic on **Tomato** and **Pepper.** Agar method + identification of strains by PCR and/or pathogenicity test in case of suspect colonies.	410.00	31 days	30000
PA-BA-127	*Pseudomonas syringae* pv. *tomato + Pseudomonas corrugata* Agar method + identification of strains by pathogenicity test in case of suspect colonies.	250.00	31 days	30000
Tomato/Capsicum - Detection of 3 pathogens				
PA-BA-96	*Clavibacter michiganensis* subsp. *michiganensis + Pseudomonas syringae* pv. *tomato+ Xanthomonas* spp. pathogenic on **Tomato** and **Pepper.** Agar method + identification of strains by PCR and/or pathogenicity test in case of suspect colonies.	510.00	31 days	30000
Tomato/Capsicum				
PA-PP-XPP	Supplement fee. Confirmation by pathogenicity test of *Xanthomonas spp.* **Tomato** and **Pepper** pathogens PCR positive isolates.	61.00	10 days	/
Mycology - See p.8/9 "Seed health quality"				
Asparagus				
PA-ES-ASP	Pathogenic fungal flora. ***Fusarium oxysporum***, *Fusarium* (section *Discolour* and other sections), *Botrytis* sp.	88.00	19 days	400
Eggplant				
PA-ES-AUBD NEW	Pathogenic fungal flora with superficial disinfection. ***Alternaria solani, Fusarium oxysporum, Fusarium solani (Haematonectria haematococca),*** *Fusarium* (autres sections), *Colletotrichum* sp., *Phomopsis vexans, Botrytis* sp., *Verticillium* sp., *Rhizoctonia* sp., *Didymella* sp., *Stemphylium* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-AUB NEW	Pathogenic fungal flora without superficial disinfection. ***Alternaria solani, Fusarium oxysporum, Fusarium solani (Haematonectria haematococca),*** *Fusarium* (autres sections), *Colletotrichum* sp., *Phomopsis vexans, Botrytis* sp., *Verticillium* sp., *Rhizoctonia* sp., *Didymella* sp., *Stemphylium* sp. **Treated seeds only.**	88.00	19 days	400
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
PA-ES-CHO	Pathogenic fungal flora (derivated from ISTA method 7-004). ***Leptosphaeria maculans*** and/or ***Plenodomus biglobosus (Phoma lingam), Alternaria brassicae, Alternaria brassicicola, Alternaria japonica, Sclerotinia sclerotiorum***, *Botrytis cinerea, Phoma* sp.	88.00	19 days	400
PA-PH-CHO	***Leptosphaeria maculans*** et/ou ***Plenodomus biglobosus*** (*Phoma lingam*). Agar method (ISTA 7-004).	217.00	25 days	1000
PA-ALB-CHO	***Albugo candida.*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MI-CHO	***Hyaloperonospora parasitica*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MICHOGO	***Hyaloperonospora parasitica*** (downy mildew) viable. Grow-out method.	104.00	42 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Brassicaceae (Cabbage, Rape, Turnip, Radish, Rocket)				
PA-MICHOPL	*Plasmodiophora brassicae.* Grow-out method.	222.00	75 days	100
Carrot				
PA-CE-CAR	*Cercospora carotae.* Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-AL-CAR	*Alternaria dauci, Alternaria radicina (Stemphylium radicinum).* Agar Method (ISTA 7-001b, 7-002b).	88.00	24 days	400
PA-ES-CAR	Pathogenic fungal flora. ***Alternaria dauci, Alternaria radicina (Stemphylium radicinum)***, *Fusarium* (all sections), *Phoma* sp., *Botrytis* sp.	88.00	19 days	400
PA-SE-CAR	*Septoria carotae.* Seed wash method. **Untreated seeds only.**	73.00	15 days	1000
PA-MY-CAR	*Mycocentrospora acerina.* Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-PL-CAR	*Phomopsis dauci* (*Diaporthe angelicae*) on umbels of Apiaceae. Agar method.	88.00	19 days	/
Celery				
PA-SE-CEL	***Septoria apiicola***. Direct visual observation. **Untreated seeds only.** Analysis stopped at 400 seeds if positive.	73.00	15 days	1000
PA-CE-CEL	***Cercospora apii (Cercospora carotae).*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ES-CEL	Pathogenic fungal flora. ***Alternaria dauci, Alternaria radicina, Botrytis cinerea***, *Botrytis* sp., *Fusarium* (all sections).	88.00	19 days	400
Cucumber				
PA-ES-COND	Pathogenic fungal flora with superficial disinfection. ***Mycosphaerella melonis (Didymella bryoniae), Fusarium oxysporum, Fusarium solani (Haematonectria haematococca), Colletotrichum orbiculare,*** *Fusarium* (other sections), *Botrytis* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-CON	Pathogenic fungal flora without superficial disinfection. ***Mycosphaerella melonis (Didymella bryoniae), Fusarium oxysporum, Fusarium solani (Haematonectria haematococca), Colletotrichum orbiculare,*** *Fusarium* (other sections), *Botrytis* sp. **Treated seeds only.**	88.00	19 days	400
Squash				
PA-ES-COUD	Pathogenic fungal flora with superficial disinfection. ***Mycosphaerella melonis* (*Didymella bryoniae*), *Fusarium oxysporum*, *Fusarium solani (Haematonectria haematococca)*, *Alternaria cucumerina*,** *Fusarium* (other sections)**,** *Colletotrichum orbiculare, Phomopsis vexans, Botrytis* sp., *Verticillium* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-COU	Pathogenic fungal flora without superficial disinfection. ***Mycosphaerella melonis (Didymella bryoniae), Fusarium oxysporum, Fusarium solani (Haematonectria haematococca), Alternaria cucumerina,*** *Fusarium* (other sections), *Colletotrichum orbiculare, Phomopsis vexans, Botrytis* sp., *Verticillium* sp. **Treated seeds only.**	88.00	19 days	400
Squash, Melon				
PA-MI-COUR	***Pseudoperonospora cubensis.*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Cress				
PA-ES-CRE	Pathogenic fungal flora. ***AAlternaria brassicae***, *Stemphylium botryosum* (*Pleospora tarda*), *Colletotrichum dematium, Botrytis* sp., *Phoma* sp., *Fusarium* (all sections).	88.00	19 days	400
PA-MI-CRE	***Hyaloperonospora brassicae (Peronospora brassicae).*** Seed wash method. **Untreated seeds only.** **Watercress *(Nasturtium)* seeds only.**	85.00	15 days	500
Spinach				
PA-MI-EPI	***Peronospora farinosa* f. sp. *spinaceae*** (downy Mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Spinach				
PA-ES-EPI	Pathogenic fungal flora. ***Botrytis cinerea, Colletotrichum dematium, Fusarium oxysporum**, Fusarium* (other sections).	88.00	19 days	400
Fennel				
PA-CE-FEN	***Cercosporidium punctum (Passalora punctum).*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-ES-FEN	Pathogenic fungal flora. *Botrytis cinerea,* **(all sections), *Alternaria radicina, Stemphylium botryosum (Pleospora tarda),*** *Phoma*	88.00	19 days	400
Bean				
PA-ES-HARD	Pathogenic fungal flora with superficial disinfection. ***Colletotrichum lindemuthianum Botrytis cinerea, Macrophominabotryosum, Phoma exigua (Boeremia exigua), Colletotrichum truncatum, Phyllosticta phaseolina**, Fusarium*sections), *Rhizoctonia solani, Diaporthe phaseolorum, sclerotiorum.* Agar method. **Untreated seeds only.**	92.00	19 days	400
PA-ES-HARM	Pathogenic fungal flora without superficial disinfection. ***Colletotrichum lindemuthianum* (anthracnose),*cinerea, Macrophominabotryosum, Phoma exigua (Boeremia exigua), Colletotrichum truncatum, Phyllosticta phaseolina**, Fusarium*sections), *Rhizoctonia solani, Diaporthe phaseolorum, sclerotiorum.* Agar method. **Treated seeds only.**	88.00	19 days	400
PA-ESI-HAR	*Colletotrichum lindemuthianum.* Blotter roller method (ISTA 7-006).	97.00	19 days	400
Lettuce				
PA-SE-LAI	***Septoria lactucae*** Direct visual observation. **Untreated seeds only. Stop of the analysis at 400 seeds if positive.**	73.00	15 days	1000
PA-ES-LAI	Pathogenic fungal flora. ***Alternaria dauci, Marssonina panattoniana (Microdochium panattonianum),*** *Stemphylium* sp., *Botrytis* sp., *Verticillium* sp., *Fusarium* (all sections).	88.00	19 days	400
Corn salad				
PA-MI-MAC	***Peronospora valerianellae*** (downy mildew). Seed wash method. **Untreated seeds only.**	74.00	15 days	500
PA-OUT-MAC	***Peronospora valerianellae*** (downy mildew) viable. Grow-out method.	97.00	42 days	400
PA-ES-MAC	Pathogenic fungal flora. ***Phoma valerianellae (Stagonosporopsis valerianellae), Botrytis cinerea**, Fusarium* (all sections).	88.00	28 days	400
PA-ID-PHOV	Detection and identification of ***Phoma valerianellae (Stagonosporopsis valerianellae)*** on leaves.	85.00	15 days	/
Melon				
PA-ES-MELD	Pathogenic fungal flora with superficial disinfection. ***Mycosphaerellae melonis (Didymella bryoniae), Colletotrichum orbiculare (Gloeosporium orbiculare), FusariumFusarium solani (Haematonectria haematococca),***sections), *Alternaria cucumerina, Botrytis* sp., *Cladosporium* **Untreated seeds only.**	92.00	19 days	400
PA-ES-MEL	Pathogenic fungal flora without superficial disinfection. ***Mycosphaerellae melonis (Didymella bryoniae), Colletotrichum orbiculare (Gloeosporium orbiculare), FusariumFusarium solani (Haematonectria haematococca),***sections), *Alternaria cucumerina, Botrytis* sp., *Cladosporium* **Treated seeds only.**	88.00	19 days	400
Onion				
PA-MI-OIG	***Peronospora destructor*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-CH-OIG	***Urocystis cepulae*** (smut). Seed wash method.seeds only.	85.00	15 days	500

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Onion				
PA-ES-OIG	Pathogenic fungal flora. ***Alternaria porri, Botrytis allii*** and/or ***Botrytis aclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum***, *Fusarium Liseola*other sections), *Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa), Botrytis byssoidea (Ciborinia allii).*	88.00	19 days	400
Onion (bulblets)				
PA-ESOIGBD	Pathogenic fungal flora with superficial disinfection. ***Alternaria porri, Botrytis allii*** and/or ***Botrytis aclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum, Pyrenochaeta terrestris (Setophoma terrestris),*** *Fusarium* (section *Liseola* and other sections), *Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa).* **Untreated seeds only.**	97.00	19 days	200
PA-ES-OIGB	Pathogenic fungal flora without superficial disinfection. ***Alternaria porri, Botrytis allii*** **and/or B** ***Botrytis aclada, Sclerotium cepivorum (Stromatinia cepivora), Fusarium oxysporum, Pyrenochaeta terrestris (Setophoma terrestris)****, Fusarium* (section *Liseola* and other sections), *Botrytis cinerea, Botrytis squamosa (Botryotinia squamosa).* **Treated seeds only.**	93.00	19 days	200
Watermelon				
PA-ES-PASD	Pathogenic fungal flora with superficial disinfection. ***Mycosphaerellae melonis (Didymella bryoniae), Colletotrichum orbiculare (Gloeosporium orbiculare), FusariumFusarium solani (Haematonectria haematococca),***sections), *Alternaria cucumerina, Botrytis* sp., *Cladosporium* **Untreated seeds only.**	92.00	19 days	400
PA-ES-PAS	Pathogenic fungal flora without superficial disinfection. ***Mycosphaerellae melonis (Didymella bryoniae), Colletotrichum orbiculare (Gloeosporium orbiculare), Fusarium oxysporum, Fusarium solani (Haematonectria haematococca)****, Fusarium* (other sections), *Alternaria cucumerina, Botrytis* sp., *Cladosporium* sp. **Treated seeds only.**	88.00	19 days	400
Capsicum				
PA-MI-PIM	***Phytophthora capsici.*** Seed wash method. **Untreated seeds only.**	85.00	15 days	500
Leek				
PA-ES-POR	Pathogenic fungal flora ***Alternaria porri, Botrytis allii*** and/or ***Botrytis aclada,minor, Fusarium moniliforme, Fusarium oxysporum,*** *Fusarium* (other sections), *Botrytis* sp., *Stemphylium* sp.	88.00	19 days	400
Pea				
PA-ES-POID	Pathogenic fungal flora with superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella)****, Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Untreated seeds only.**	92.00	19 days	400
PA-ES-POI	Pathogenic fungal flora without superficial disinfection. ***Ascochyta pisi (Didymella pisi), Mycosphaerella pinodes (Peyronellaea pinodes), Phoma pinodella (Didymella pinodella)****, Stemphylium botryosum, Fusarium* (all sections), *Botrytis* sp., *Sclerotinia* sp., *Phoma* sp. **Treated seeds only.**	88.00	19 days	400
PA-MI-POI	***Peronospora viciae (Peronospora pisi)*** (downy mildew). Seed wash method**. Untreated seeds only.**	85.00	15 days	500
PA-ANT-POI	***Ascochyta pisi.*** Agar method (ISTA 7-005).	92.00	19 days	400
Chickpea				
PA-ES-POCD	Pathogenic fungal flora with superficial disinfection. ***Ascochyta rabiei (Mycosphaerella rabiei), Botrytis cinerea, Fusarium oxysporum****, Fusarium solani, Fusarium*sections). **Untreated seeds only.**	92.00	19 days	400
PA-ES-POC	Pathogenic fungal flora without superficial disinfection. ***Ascochyta rabiei (Mycosphaerella rabiei), Botrytis cinerea, Fusarium oxysporum,*** *Fusarium solani, Fusarium*sections). **Treated seeds only.**	88.00	19 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Capsicum, Pepper				
PA-ES-POIV	Pathogenic fungal flora ***Colletotrichum capsici, Fusarium oxysporum,*** *Fusarium* (all sections) *Colletotrichum coccodes, Sclerotinia* sp., *Botrytis* sp., *Verticillium* sp., *Rhizoctonia* sp., *Didymella* sp., *Stemphylium* sp.	88.00	19 days	400
Radish				
PA-MI-RAD	***Hyaloperonospora parasitica (Peronospora parasitica)*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MIRADGO	***Hyaloperonospora parasitica (Peronospora parasitica)*** (downy mildew) viable. Grow-out method.	104.00	42 days	400
Rocket				
PA-MI-ROQL	***Hyaloperonospora parasitica*** (downy mildew). Seed wash method. **Untreated seeds only.**	85.00	15 days	500
PA-MI-ROQ	***Hyaloperonospora parasitica***, (downy mildew) viable. Grow-out method.	104.00	42 days	400
Tomato				
PA-ES-TOM	Pathogenic fungal flora. ***Alternaria solani, Fusarium oxysporum****, Fusarium solani, Botrytis cinerea., Fusarium* (all sections), *Didymella* sp., *Verticillium* sp., *Stemphylium* sp., *Rhizoctonia* sp., *Sclerotinia* sp.	88.00	19 days	400
Nematology				
Carrot				
PA-NE-CAR	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	70g
Onion				
PA-NE-OIG	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	70g
Leek				
PA-NE-POI	***Ditylenchus dipsaci.**** 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.**	63.00	16 days	70g
Bulbs, bulblets, bulbs, corms, rhizomes, tubers				
PA-NE-BULB	***Ditylenchus dipsaci.**** 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.**	107.00	16 days	50 units
All species				
PA-NE-VIA	Supplement for viability measure of ***Ditylenchus dipsaci staining method.***	92.00	/	/
PA-NE-TTES	Supplement for counting of ***Ditylenchus dipsaci*** and/or ***gigas.****	107.00	/	/
Virology - Uncoated seeds only				
Eggplant, Lettuce, Capsicum, Tomato				
PA-VI-37-1	NEW *Tomato black ring virus* (TBRV). ELISA.	136.00	16 days	136.00
Beet, Spinach				
PA-VI-73	*Beet mosaic virus* (BtMV). ELISA.		Contact SNES	
PA-VI-74	*Turnip mosaic virus* (TuMV). ELISA.		Contact SNES	
PA-VI-78	*Watermelon silver mottle virus* (WMSMOV). ELISA.		Contact SNES	
PA-VI-80	*Prunus necrotic ringspot virus* (PNRSV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Virology - Uncoated seeds only

			Price	Duration	Size
Beet, Spinach					
PA-VI-82		*Tobacco rattle virus* (TRV). ELISA.		Contact SNES	
Beet, Cucurbita sp., Citrulus sp., Bean, Pea					
PA-VI-37	NEW	*Tomato black ring virus* (TBRV). ELISA.	136.00	16 days	2000
Carrot, Coriander, Capsicum/Pepper, Tomato, Alfalfa					
PA-VI-71		*Alfalfa mosaic virus* (AMV). ELISA.	136.00	16 days	2000
Celery					
PA-VI-42		*Peanut stunt virus* (PSV). ELISA.		Contacter la SNES	
Celery, Lettuce					
PA-VI-36		*Strawberry latent ringspot virus* (SLRSV). ELISA.		Contacter la SNES	
Cucumis sp.					
PA-VI-40-1	NEW	*Zucchini yellow mosaic virus* (ZYMV). ELISA.	220.00	16 days	220.00
PA-VI-77-1	NEW	*Squash leaf curl* ELISA.		Contact SNES	
Cucumis sp., Carrot, Lettuce, Tomato					
PA-VI-33-1	NEW	*Arabis mosaic virus* (ArMV). ELISA.	136.00	16 days	136.00
PA-VI-35-1	NEW	*Cucumber leaf spot carmovirus* (CLSV). ELISA.	210.00	16 days	210.00
Cucumis sp., Carrot, Lettuce, Capsicum, Tomato					
PA-VI-38-1	NEW	*Tomato ringspot virus* (ToRSV).[40] ELISA.	136.00	16 days	136.00
Cucumis sp., Lettuce, Capsicum, Tomato					
PA-VI-39-1	NEW	*Tobacco ringspot virus* (TRSV).[40] ELISA.	136.00	16 days	136.00
Cucumis sp., Sunflower					
PA-VI-56		*Cucumber mosaic virus* (CMV). ELISA.	210.00	16 days	2000
Cucurbita sp., Citrulus sp.					
PA-VI-33		*Arabis mosaic virus* (ArMV). ELISA.	185.00	16 days	2000
Cucurbits					
PA-VI-01		*Squash mosaic virus* (SqMV). ELISA (ISTA 7-026).	146.00	16 days	2000
PA-VI-01-1		*Cucumber green mottle mosaic virus* (CGMMV). ELISA (ISTA 7-026).	146.00	16 days	2000
PA-VI-51		*Cucumber green mottle mosaic virus* (CGMMV). ELISA (ISTA 7-026).	533.00	16 days	10000
PA-VI-63		*Kyuri green mottle mosaic virus* (KGMMV). ELISA.	210.00	16 days	2000
PA-VI-01-2		*Melon necrotic spot virus* (MNSV). ELISA (ISTA 7-026).	146.00	16 days	2000
PA-VI-01-3		*Squash mosaic virus* (SqMV) and *Cucumber green mottle virus* (CGMMV). ELISA (ISTA 7-026).	250.00	16 days	2000
PA-VI-01-4		*Squash mosaic virus* (SqMV) and *Melon necrotic spot virus* (MNSV). ELISA (ISTA 7-026).	250.00	16 days	2000
PA-VI-01-5		*Melon necrotic spot virus* (MNSV) and *Cucumber green mottle virus* (CGMMV). ELISA (ISTA 7-026).	250.00	16 days	2000
PA-VI-64		*Cucumber green mottle mosaic virus* (CGMMV) and *Kyuri green mottle mosaic virus* (KGMMV). ELISA.	270.00	16 days	2000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Virology - Uncoated seeds only

			Price	Duration	Size
Cucurbits					
PA-VI-01-6		*Squash mosaic virus* (SqMV) and *Cucumber green mottle virus* (CGMMV) and *Melon necrotic spot virus* (MNSV). ELISA (ISTA 7-026).	370.00	16 days	2000
PA-VI-65		*Squash mosaic virus (*SqMV) and *Cucumber green mottle mosaic virus* (CGMMV) and *Kyuri green mottle mosaic virus* (KGMMV) and *Melon necrotic spot virus* (MNSV). ELISA.	505.00	16 days	2000
Cucurbita sp., Citrulus sp.					
PA-VI-77		*Squash leaf curl virus* (SLCV). ELISA.	Contacter la SNES		
PA-VI-40		*Zucchini yellow mosaic virus* (ZYMV). ELISA.	220.00	16 days	2000
PA-VI-38		*Tomato ringspot virus* (ToRSV).[40] ELISA.	210.00	16 days	2000
PA-VI-39		*Tobacco ringspot virus* (TRSV).[40] ELISA.	220.00	16 days	2000
PA-VI-35		*Cucumber leaf spot carmovirus* (CLSV). ELISA.	210.00	16 days	2000
Bean					
PA-VI-02		*Bean common mosaic virus* (BCMV). ELISA on plantlets.	240.00	37 days	1000
PA-VI-03		*Bean common mosaic necrotic virus* (BCMNV). ELISA on plantlets.	260.00	37 days	1000
PA-VI-04		*Bean common mosaic virus* (BCMV) and *Bean common mosaic necrotic virus* (BCMNV). ELISA on plantlets.	390.00	37 days	1000
PA-VI-43		*Tobacco streak virus* (TSV). ELISA on plantlets.	250.00	37 days	1000
PA-VI-53		*Pea early browning virus* (PEBV). ELISA.	136.00	16 days	1000
Bean, Sunflower					
PA-VI-61		*Tobacco streak virus* (TSV). ELISA.	250.00	16 days	1000
Lettuce					
PA-VI-05		*Lettuce mosaic virus* (LMV). ELISA.	143.00	16 days	10000
PA-VI-06		*Lettuce mosaic virus* (LMV). ELISA.	273.00	16 days	30000
Onion, Leek					
PA-VI-69	NEW	*Onion yellow dwarf virus* (OYDV). ELISA.	Contact SNES		
Capsicum, Pepper					
PA-VI-08		*Tobacco mosaic virus* (TMV). ELISA. **Seeds not treated by a virucidal.**	0.00	16 days	3000
PA-VI-24		*Pepper mild mottle virus* (PMMoV). ELISA. **Seeds not treated by a virucidal.**	112.00	16 days	1000
PA-VI-09		*Pepper mild mottle virus* (PMMoV). ELISA. **Seeds not treated by a virucidal.**	209.00	16 days	3000
Capsicum, Pepper, Tomato					
PA-VI-28		*Tobamovirus* (ToBRFV[40], TMV, ToMV, PMMoV). Indexing.	107.00	24 days	1000
PA-VI-20		*Tobamovirus* (ToBRFV[40], TMV, ToMV, PMMoV). Indexing (ISTA 7-028).	148.00	24 days	3000
PA-VI-PCRI	NEW	Supplement fee.Confirmation by PCR of Indexing positive subsamples for ToBRFV.	350.00	/	/
PA-VI-55		Pospiviroids.[40] (PSTVd,TCDVd, MPVd, PCFVd, CEVd, CLVd, TPMVd, TASVd) by RT-PCR.	182.00	10 days	3000
PA-VI-18		*Tomato mosaic virus* (ToMV) and/or *Tobacco mosaic virus* (TMV). ELISA. **Seeds not treated by a virucidal.**	112.00	16 days	1000
PA-VI-19		*Tomato mosaic virus* (ToMV) and/or *Tobacco mosaic virus* (TMV). ELISA. **Seeds not treated by a virucidal.**	160.00	16 days	3000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

Virology - Uncoated seeds only

			Price	Duration	Size
Capsicum, Pepper, Tomato					
PA-VI-93-2	NEW	*Tomato brown rugose fruit virus* (ToBRFV)[40]. by RT-PCR.	182.00	10 days	3000
PA-VI-93-4	NEW	*Tomato brown rugose fruit virus* (ToBRFV)[40]. by RT-PCR.	90.00	10 days	1000
PA-VI-93	NEW	*Tomato brown rugose fruit virus* (ToBRFV)[40]. ELISA.	209.00	16 days	209.00
PA-VI-93-1	NEW	*Tomato brown rugose fruit virus* (ToBRFV)[40]. ELISA.	110.00	16 days	1000
PA-VI-PCR	NEW	Supplement fee. Confirmation by PCR of ELISA positive subsamples for ToBRFV.	350.00	/	/
PA-VI-93-3	NEW	Pospiviroids (PSTVd, TCDVd, MPVd, PCFVd, CEVd, CLVd, TPMVd, TASVd), *Tomato brown rugose fruit virus* (ToBRFV) by RT-PCR.	219.00	10 days	3000
PA-VI-93-5	NEW	Pospiviroids (PSTVd, TCDVd, MPVd, PCFVd, CEVd, CLVd, TPMVd, TASVd), *Tomato brown rugose fruit virus* (ToBRFV) by RT-PCR.	125.00	10 days	1000
Pea					
PA-VI-31		*Pea early-browning virus* (PEBV). ELISA (ISTA 7-024).	136.00	16 days	2000
PA-VI-57		*Pea enation mosaic virus* (PEMV). ELISA.	210.00	16 days	2000
PA-VI-58		*Beet yellows virus* (BYV). ELISA.		Contact SNES	
PA-VI-60		*Bean yellow mosaic virus* (BYMV). ELISA.		Contact SNES	
PA-VI-67		*Bean leaf roll virus* (BLRV). ELISA.		Contact SNES	
PA-VI-88	NEW	*Southern bean mosaic virus* (SBMV). ELISA.		Contact SNES	
Pea, Vetch					
PA-VI-11		*Pea seed borne mosaic virus* (PSbMV). ELISA (ISTA 7-024).	136.00	16 days	2000
Tomato					
PA-VI-15		*Pepino mosaic virus* (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	1000
PA-VI-16		*Pepino mosaic virus* (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	2500
PA-VI-17		*Pepino mosaic virus* (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	5000
PA-VI-15CO		*Pepino mosaic virus*.* Method Anses MOA 026 **for COFRAC certificate.**		Contact SNES	
PA-VI-16CO		*Pepino mosaic virus*.* Method Anses MOA 026 **for COFRAC certificate.**		Contact SNES	
PA-VI-17CO		*Pepino mosaic virus*.* Method Anses MOA 026 **for COFRAC certificate.**		Contact SNES	
PA-VI-46		*Pelargonium zonate spot virus* (PZSV). ELISA.	220.00	16 days	3000
PA-VI-47		*Tomato bushy stunt virus* (TBSV). ELISA.	210.00	16 days	3000
PA-VI-70		*Tobacco streak virus* (TSV). ELISA.	220.00	16 days	3000
PA-VI-86	NEW	*Pepper veinal mottle virus* (PVMV) ELISA		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

EVALUATION OF VARIETIES

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

		Price	Duration	Size
Eggplant				
PA-R-AUB-1	*Verticillium dahliae.*	152.00	/	/
Cabbage				
PA-R-CHO	*Fusarium oxysporum* f. sp. *conglutinans* race 1.	320.00	/	45
PA-R-CHO-1	*Plasmodiophora brassicae.*	231.00	/	45
Cucumber				
PA-R-CON	CMV *(Cucurbit mosaic virus).*	119.00	/	45
PA-R-CON-1	CGMMV *(Cucumber green mottle mosaic virus).*	119.00	/	45
PA-R-CON-2	ZYMV *(Zucchini yellow mosaic virus).*	119.00	/	45
PA-R-CON-3	WMV *(Watermelon mosaic virus).*	119.00	/	45
PA-R-CON-4	*Podosphaera xanthii* race 1.	235.00	/	45
Squash				
PA-R-COU-1	CMV *(Cucurbit mosaic virus).*	119.00	/	45
PA-R-COU-2	ZYMV *(Zucchini yellow mosaic virus).*	119.00	/	45
PA-R-COU-3	WMV *(Watermelon mosaic virus).*	119.00	/	45
PA-R-COU-4	*Podosphaera xanthii* race 1.	235.00	/	45
Strawberry				
PA-R-FRA-1	*Phytophthora cactorum.*			Contact SNES
PA-R-FRA-2	*Colletotrichum acutatum* race 494a.	226.00	/	45
PA-R-FRA-3	*Colletotrichum acutatum* race 688b.	226.00	/	45
Bean				
PA-R-HAR-1	BCMNV (*Bean common mosaic necrotic virus*).	101.00	/	30
PA-R-HAR-2	*Colletotrichum lindemuthianum* race 6 (anthracnose).	110.00	/	30
PA-R-HAR-6	*Colletotrichum lindemuthianum* race Kappa (anthracnose).	110.00	/	30
PA-R-HAR-3	*Pseudomonas savastanoi* pv. *phaseolicola* race 6 (halo blight).	139.00	/	30
PA-R-HAR-4	*Xanthomonas axonopodis* pv. *phaseoli.*[40]	139.00	/	30
Lettuce				
PA-R-LAI-1	*Bremia lactucae* race Bl: 1EU.			Contact SNES
PA-R-LAI-2	*Bremia lactucae* race Bl: 2EU.			Contact SNES
PA-R-LAI25	*Bremia lactucae* race Bl: 3EU.			Contact SNES
PA-R-LAI26	*Bremia lactucae* race Bl: 4EU.			Contact SNES
PA-R-LAI-3	*Bremia lactucae*Bl: 5EU.			Contact SNES
PA-R-LAI-4	*Bremia lactucae* Bl: 6EU.			Contact SNES
PA-R-LAI-5	*Bremia lactucae* race Bl: 7EU.			Contact SNES
PA-R-LAI-6	*Bremia lactucae* race Bl: 10EU.			Contact SNES
PA-R-LAI-7	*Bremia lactucae* race Bl: 12EU.			Contact SNES
PA-R-LAI-8	*Bremia lactucae* race Bl: 13EU.			Contact SNES
PA-R-LAI-9	*Bremia lactucae* race Bl: 14EU.			Contact SNES
PA-R-LAI10	*Bremia lactucae* race Bl: 15EU.			Contact SNES
PA-R-LAI11	*Bremia lactucae* race Bl: 16EU.	50.00	/	45
PA-R-LAI12	*Bremia lactucae* race Bl: 17EU.			Contact SNES
PA-R-LAI13	*Bremia lactucae* race Bl: 18EU.			Contact SNES
PA-R-LAI14	*Bremia lactucae* race Bl: 20EU.	50.00	/	45
PA-R-LAI15	*Bremia lactucae* race Bl: 21EU.	50.00	/	45
PA-R-LAI16	*Bremia lactucae* race Bl: 22EU.			Contact SNES
PA-R-LAI17	*Bremia lactucae*Bl: 23EU.			Contact SNES
PA-R-LAI18	*Bremia lactucae* race Bl: 24EU.			Contact SNES
PA-R-LAI19	*Bremia lactucae* race Bl: 25EU.			Contact SNES
PA-R-LAI27	*Bremia lactucae* race Bl: 26EU.	50.00	/	45
PA-R-LAI28	*Bremia lactucae* race Bl: 27EU.	50.00	/	45
PA-R-LAI31	*Bremia lactucae* race Bl: 28EU.			Contact SNES
PA-R-LAI32	*Bremia lactucae* race Bl: 29EU.	50.00	/	45

* COFRAC assay

[40] Quarantine parasite

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

		Price	Duration	Size
Lettuce				
PA-R-LAI33	*Bremia lactucae* race BI: 30EU.	50.00	/	45
PA-R-LAI34	*Bremia lactucae* race BI: 31EU.	50.00	/	45
PA-R-LAI36	*Bremia lactucae* race BI: 32EU.		Contact SNES	
PA-R-LAI37	*Bremia lactucae* race BI: 33EU.	50.00	/	45
PA-R-LAI38	*Bremia lactucae* race BI: 34EU.		Contact SNES	
PA-R-LAI39	*Bremia lactucae* race BI: 35EU.	50.00	/	45
PA-R-LAI-40 NEW	*Bremia lactucae* race BI: 36EU.		Contact SNES	
PA-R-LAI20	*Bremia lactucae* race S1.		Contact SNES	
PA-R-LAI21	*Bremia lactucae* race SF1.		Contact SNES	
PA-R-LAI22	*Bremia lactucae* race IL4.		Contact SNES	
PA-R-LAI29	Late stage resistance.		Contact SNES	
PA-R-LAI23	LMV: 0 (*Lettuce mosaic virus* pathotype 0).	96.00	/	30
PA-R-LAI24	LMV: 9 (*Lettuce mosaic virus* pathotype 9).	96.00	/	30
PA-R-LAI30	*Fusarium oxysporum* f. sp. *lactucae* race 1.	144.00	/	45
PA-R-LAI35	*Nasonovia ribisnigri* race 0.	144.00	/	45
PA-R-IDBRE	Identification of the race of *Bremia lactucae.*	226.00	/	/
PA-R-IDFUS	Identification of the race of *Fusarium of oxysporum* f. sp. *lactucae.*	361.00	/	/
Corn salad				
PA-R-MAC-1	*Peronospora valerianellae* race 1.	116.00	/	45
PA-R-MAC-2	*Peronospora valerianellae* race 2.	116.00	/	45
Melon				
PA-R-MEL-1	*Fusarium oxysporum* f. sp. *melonis* race 0.	142.00	/	45
PA-R-MEL-2	*Fusarium oxysporum* f. sp. *melonis* race 1.	142.00	/	45
PA-R-MEL-3	*Fusarium oxysporum* f. sp. *melonis* race 2.	142.00	/	45
PA-R-MEL-6	*Fusarium oxysporum* f. sp. *melonis* race 1.2.	142.00	/	45
PA-R-MEL-5	CMV *(Cucurbit mosaic virus).*	135.00	/	45
PA-R-MEL-4	MNSV *(Melon necrotic spot virus).*	135.00	/	45
PA-R-MEL-8	WMV (*Watermelon mosaic virus).*	135.00	/	45
PA-R-MEL10	ZYMV *(Zucchini yellow mosaic virus).*	135.00	/	45
PA-R-MEL-7	*Golovinomyces cichoracearum.*	241.00	/	45
PA-R-MEL-9	*Podosphaera xanthii* race 1.	235.00	/	45
PA-R-MEL11	*Podosphaera xanthii* race 2.	235.00	/	45
PA-R-MEL12	*Podosphaera xanthii* race 3.	235.00	/	45
PA-R-MEL13	*Podosphaera xanthii* race 3-5.	235.00	/	45
PA-R-MEL14	*Podosphaera xanthii* race 5.	235.00	/	45
PA-R-MEL15	Identification of the race *Podosphaera xanthii.*	260.00	/	/
PA-R-IDFOM	Identification of the race of *Fusarium oxysporum* f. sp. *melonis.*	160.00	/	/
Capsicum				
PA-R-PIM-1	PVY : 0 (*Potato virus Y* race 0).	142.00	/	45
PA-R-PIM-2	PVY : 1 (*Potato virus Y* race 1).	142.00	/	45
PA-R-PIM-3	PVY : 1.2 (*Potato virus Y* race 1.2).	142.00	/	45
PA-R-PIM-4	TMV : 0 (*Tobacco mosaic virus* race 0).	142.00	/	45
PA-R-PIM-5	PMMoV : 1.2 (*Pepper mild mottle virus* race 1.2).	142.00	/	45
PA-R-PIM-6	PMMoV : 1.2.3 (*Pepper mild mottle virus* race 1.2.3).	142.00	/	45
PA-R-PIM-7	TSWV[40] (*Tomato spotted wilt virus*).	142.00	/	45
PA-R-PIM-8	*Meloïdogyne incognita.*	96.00	/	45
Pea				
PA-R-POI-1	*Ascochyta pisi* race C.	86.00	/	30
PA-R-POI-2	*Fusarium oxysporum* f. sp. *pisi* race 1.	96.00	/	30
PA-R-POI-3	BYMV (*Bean yellow mosaic virus*).	82.00	/	30
PA-R-POI-5	*Erysiphe pisi.*	142.00	/	30
PA-R-POI-4	PEMV (*Pea enation mosaic virus*).	82.00	/	30

* COFRAC assay

[40] Quarantine parasite

			Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.					
Potato					
PA-R-POM-1		*Globodera pallida*[40] (counting of eggs and larvae for resistant varieties. Directive 2007/33/CE).	715.00	/	8
PA-R-POM-3		*Globodera rostochiensis*[40] (counting of eggs and larvae for resistant varieties. Directive 2007/33/CE).	690.00	/	8
PA-R-POM-5		Foot test *Globodera pallida*[40] (miniaturised test: 4 tubercules).	39.40	/	8
PA-R-POM-6		Foot test *Globodera rostochiensis*[40] (miniaturised test: 4 tubercules).	39.40	/	8
Tomato					
PA-R-TOM-8		*Stemphylium* spp.	138.00	/	45
PA-R-TOM-1		*Verticillium dahliae.*	138.00	/	45
PA-R-TOM-2		*Fusarium oxysporum* f. sp. *lycopersici* race 0.	138.00	/	45
PA-R-TOM-3		*Fusarium oxysporum* f. sp. *lycopersici* race 1.	138.00	/	45
PA-R-TOM-4		*Fusarium oxysporum* f. sp. *lycopersici* race 2.	138.00	/	45
PA-R-TOM-5		*Fulvia fulva (Passalora fulva)* race 0.	138.00	/	45
PA-R-TOM-6		*Fulvia fulva (Passalora fulva)* race 2.4.5.	138.00	/	45
PA-R-TOM-7		*Fusarium oxysporum radicis* f. sp. *lycopersici.*	138.00	/	45
PA-R-TOM11		TMV: 0 (*Tobacco mosaic virus* race 0).	136.00	/	45
PA-R-TOM12		TMV: 1 (*Tobacco mosaic virus* race 1).	136.00	/	45
PA-R-TOM13		TMV: 2 (*Tobacco mosaic virus* race 2).	136.00	/	45
PA-R-TOM10		TSWV[40] (*Tomato spotted wilt virus*).	136.00	/	45
PA-R-TOM14		*Meloïdogyne incognita.*	93.00	/	45
PA-R-TOM15		*Pseudomonas syringae* pv. *tomato.*	72.00	/	45
PA-R-TOM16		*Pyrenochaeta lycopersici.*	304.00	/	45
PA-ID-PF		Identification of the race of *Passalora fulva.*	243.00	/	/
Tomato rootstock					
PA-R-TPG-1	NEW	*Verticillium dahliae.*	140.00	/	90
PA-R-TPG-2	NEW	*Fusarium oxysporum* f. sp. *lycopersici* race 0.	140.00	/	90
PA-R-TPG-3	NEW	*Fusarium oxysporum* f. sp. *lycopersici* race 2.	140.00	/	90
PA-R-TPG-4	NEW	*Fulvia fulva (Passalora fulva)* race 0.	140.00	/	90
PA-R-TPG-5	NEW	*Fulvia fulva (Passalora fulva)* race 0.	140.00	/	90
PA-R-TPG-6	NEW	*Fulvia fulva (Passalora fulva)* race 2.4.5.	140.00	/	90
PA-R-TPG-7	NEW	*Fusarium oxysporum radicis* f. sp. *lycopersici.*	140.00	/	90
PA-R-TPG-8	NEW	*Stemphylium* spp.	140.00	/	90
PA-R-TPG10	NEW	TSWV[40] (*Tomato spotted wilt virus*).	138.00	/	90
PA-R-TPG11	NEW	TMV: 0 (*Tobacco mosaïc virus* race 0).	138.00	/	90
PA-R-TPG12	NEW	TMV: 1 (*Tobacco mosaïc virus* race 1).	138.00	/	90
PA-R-TPG13	NEW	TMV: 2 (*Tobacco mosaïc virus* race 2).	138.00	/	90
PA-R-TPG14	NEW	*Meloïdogyne incognita.*	95.00	/	90
PA-R-TPG15	NEW	*Pseudomonas syringae* pv. *tomato.*	75.00	/	90
PA-R-TPG16	NEW	*Pyrenochaeta lycopersici.*	305.00	/	90
Technological qualities: 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
Technological qualities : biochemical tests					
Pea					
BI-B-SPEC-FAT		Antitrypsic factors (assay by spectrophotometry).			Contact BioGEVES
Technological qualities : biochemical tests					
Pea					
BI-B-NIRS-P		Protein content (NIRS).			Contact BioGEVES

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Genotyping by molecular biology				
Cabbage, Radish				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
Strawberriy				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
Lettuce				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
Pea				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-PUR-90	Varietal purity analysis.		Contact BioGEVES	
Detection of markers linked to resistance genes				
Lettuce				
BI-D-GENR	Gene mo1 (Resistance to the Lettuce mosaic virus: LMV).		Contact BioGEVES	
Tomato				
BI-D-GENR	Gene Tm1 (Resistance to the Tomatovirus: TMV).		Contact BioGEVES	
BI-D-GENR	Tm2 and Tm2² genes (Resistance to the Tomatovirus: TMV).		Contact BioGEVES	
BI-D-GENR	Ve1 and Ve2 genes (Resistance to Verticilliose).		Contact BioGEVES	
BI-D-GENR	I and I2 genes (Resistance to Fusariose, respectively *Fusarium oxysporum* f.sp. *lycopersici* race 0 or race 1).		Contact BioGEVES	
Field test by SEV				
SEV-DHS-POTMIN1	DUS Testing of minor species, cycle 1.	1 010.00	/	/
SEV-DHS-POTMIN2	DUS Testing of minor species, cycle 2.	950.00	/	/
SEV-DHS-POTMAJ1	DUS Testing of major species: **Tomato, Melon, Lettuce,** cycle 1.	1 450.00	/	/
SEV-DHS-POTMAJ2	DUS Testing of major species: **Tomato, Melon, Lettuce,** cycle 2.	1 390.00	/	/

PUBLICATIONS (only in French)

		Price	Duration	Size
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.	27.50	/	/
GE-T-CHOU	Technical sheet for evaluation of **Cabbage** seedlings.	27.50	/	/
GE-T-HAR	Technical sheet for evaluation of **Bean** seedlings.	27.50	/	/
GE-T-LAI	Technical sheet for evaluation of **Lettuce** seedlings.	27.50	/	/
GE-T-OIG	Technical sheet for evaluation of **Onion** seedlings.	27.50	/	/
GE-T-POI	Technical sheet for evaluation of **Pea** seedlings.	27.50	/	/
GE-T-RAD	Technical sheet for evaluation of **Radish** seedlings.	27.50	/	/
GE-T-TOM	Technical sheet for evaluation of **Tomato** seedlings.	27.50	/	/
Analysis of specific purity and enumeration technical sheet				
AP-C-8	*Pisum sativum, Vicia faba.*	27.50	/	/
AP-C-12	*Cicer arietinum.*	27.50	/	/
AP-C-13	*Allium* sp. (*Allium cepa*, *Allium porrum*, *Allium schoenoprasum*).	27.50	/	/
AP-C-14	Solanaceae. (*Solanum lycopersicum*, *Solanum melongena*, *Capsicum annuum*).	27.50	/	/
AP-C-15	*Daucus carota, Petroselinum* sp.	27.50	/	/
AP-C-16	Cucurbitaceae. (*Curcurbita* spp. , *Cucumis* spp. , *Citrullus lanatus*).	27.50	/	/

* COFRAC assay

[40] Quarantine parasite

Vegetables

		Price	Duration	Size
Identification data sheet of seeds and other impurities				
AP-A-06	Asteraceae (*Anthemis arvensis*, *Glebionis segetum*, *Chicorium* sp., *Tripleurospermum inodorum*, *Helminthotheca echioïdes*, *Lapsana communis*, *Lactuca sativa*, *Sonchus* spp., *Cirsium arvense*, *Cirsium vulgare*, *Centaurea cyanus*).	27.50	/	/
Collection of seeds				
APCS-PIS-S	Seeds collection - Weed's identification for ***Pisum sativum*** and ***Vicia faba*** analysis.	196.00	/	/
APCS-VEG	Seeds collection - Weed's identification for **Vegetables** analysis.		Contact SNES	

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-18	Vegetables*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	27.60	/	/
PU-IS-19	On seed mixture.	143.00	/	/
Preparation of pure seeds for germination test				
PU-PR-19	On seed mixture with announced composition.	94.00	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-17	Vegetables*,Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	120.00	/	/
Determination of the composition by weight on seed mixture (% by species) in addition of a purity analysis test				
PU-COMPO1	1 to 4 components.	300.00	/	/
PU-COMPO2	5 to 10 components.	379.00	/	/
PU-COMPO3	>10 components.	565.00	/	/
PU-MEL-CON	Conformity test on seed mixture composition.	21.80	/	/
PU-COMPO-N	Without announced composition by the applicant.	210.00	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-06	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Floral seeds**.	60.00	/	1 kg
MN-SN-07	Seed mixture.		Contact SNES	

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
GE-FG-19-4	Species mixture by component. **All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.**	See species above	See species above	See species above
Germination test on 200 seeds				
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500
GE-FG-19-2	Species mixture by component. **All the species of the seed mixture will be analyzed whatever is the proportion, except opposite request.**	See species above	See species above	See species above
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	/	/
Verification of species				
GE-ENR	Verification of species after germination test.	7.80	/	/

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Nematology				
Bulbs, bulblets, bulbs, corms, rhizomes, tubers				
PA-NE-BULB	***Ditylenchus dipsaci.**** 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.**	107.00	16 days	50 units

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Nematology				
All species				
PA-NE-VIA	Supplement for viability measure of ***Ditylenchus dipsaci staining method.***	92.00	/	/
PA-NE-TTES	Supplement for counting of ***Ditylenchus dipsaci*** and/or ***gigas.****	107.00	/	/
Virology - Uncoated seeds only				
Cyclamen				
PA-VI-48	*Impatiens necrotic spot virus* (INSV). ELISA.		Contact SNES	
PA-VI-49	*Tomato spotted wilt virus* (TSWV). ELISA.		Contact SNES	

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

		Price	Duration	Size
Genotyping by molecular biology				
Apricot, Peach				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Cherry tree				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Hydrangea				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Kiwi				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Hazel tree				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Walnut tree				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Palm				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control for export (True-to-type nature).		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control for production (True-to-type nature).		Contact BioGEVES	
Poplar				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
BI-G-BM-SSR-CID	Varietal identity control among french cultivars.		Contact BioGEVES	
Apple Tree, Pear Tree				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Plum tree				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Willow				
BI-G-BM-SSR-CID	Varietal identity control.		Contact BioGEVES	
Bud sample for genotyping				
SEV-ECHF-FOR	Cost of sampling for 1 INRA site and 1 applicant/breeder.	325.00	/	/
SEV-ECHF-VAR	Cost for 1 sampled variety.	34.00	/	/
SEV-ECHF-COND5	Packaging by INRA examiner for 1 site and for less than 5 varieties.	127.00	/	/
SEV-ECHF-COND10	Packaging by INRA examiner for 1 site and for 6 to 10 varieties.	254.00	/	/
SEV-ECHF-COND50	Packaging by INRA examiner for 1 site and for 11 to 50 varieties.	525.00	/	/
SEV-ECHF-ENV	Cost of sending for 1 site (possible to pick the samples directly on the site).	105.00	/	/
Field test by SEV				
Fruit trees and rootstock				
SEV-DHS-FRU1	DUS Testing for new variety, installation year.	750.00	/	/
SEV-DHS-FRU2	DUS Testing for new variety, following years.	1 500.00	/	/

* COFRAC assay

[40] Quarantine parasite

		Price	Duration	Size
Field test by SEV				
Ornamental species.				
SEV-DHS-ORN	DUS Testing for **Ornamental** species.	1 700.00	/	/
Vine				
SEV-DHS-VIG1	DUS Testing for new variety, installation year.	750.00	/	/
SEV-DHS-VIG2	DUS Testing for new variety, following years.	1 500.00	/	/

PUBLICATIONS (only in French)

		Price	Duration	Size
Identification data sheet of seeds and other impurities				
AP-A-05	*Lathyrus* spp. *(Lathyrus sylvestris, Lathyrus latifolius, Lathyrus hirsutus, Lathyrus tuberosus, Lathyrus odoratus, Lathyrus aphaca, Lathyrus pratensis, Lathyrus sativus, Lathyrus cicera).*	27.50	/	/

SEED QUALITY

Physical quality

		Price	Duration	Size
Purity analysis test (3 components)				
PU-IS-18	Vegetables*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	27.60	/	/
Determination by number of all other seeds (on ISTA weight)				
SP-IS-17	Vegetables*,Flowers*, Trees, Shrubs, Aromatics*, Medicinals*, Narrow-leaf plantain.	120.00	/	/
Cleaning				
MN-SN-PR	Pre-cleaning of a sample containing too many impurities prior to analysis of germination or disease.	31.00	/	/
MN-SN-03	Micro-cleaning. Standard protocol in compliance with standards, use of micro sorting devices identical to industrial sorting. **Carrot, Celery, Parsley.**	63.00	/	1 kg

Other analyzes available see tab "All Species" (moisture content, determination by number, ploidy level, TSW and X-Ray / tomography).

Physiological quality

		Price	Duration	Size
Germination test on 400 seeds				
GE-FG-18-4	Vegetables*, Fodder kale*, Forage radish*, Flowers*, Trees, Shrubs, Aromatics*, Medicinals*.	54.00	/	1250
Germination test on 200 seeds				
GE-FG-18-2	Vegetables, Fodder kale, Forage radish, Flowers, Trees, Shrubs, Aromatics, Medicinals.	43.80	/	500

Other analyzes available see tab "All Species" (complementary determination, viability, vigour, automated germination kinetics, substrates check).

Seed health quality

		Price	Duration	Size
Bacteriology				
Dill, Coriander, Parsley				
PA-BA-104	*Pseudomonas viridiflava.* Agar method + PCR in case of suspect colonies.	254.00	31 days	30000
PA-BA-106	*Pseudomonas syringae* pv. *apii.* Agar method + pathogenicity test in case of suspect colonies.	244.00	56 days	30000
PA-BA-107	*Pseudomonas syringae* pv. *coriandricola.* Agar method + pathogenicity test in case of suspect colonies.	243.00	56 days	30000
PA-BA-108	*Pseudomonas syringae* pv. *apii* + *Pseudomonas syringae* pv. *coriandricola.* Agar method + pathogenicity test in case of suspect colonies.	301.00	56 days	30000
PA-BA-109	*Pseudomonas syringae* pv. *apii* + *Pseudomonas viridiflava.* Agar method + PCR + pathogenicity test in case of suspect colonies.	301.00	60 days	30000
PA-BA-110	*Pseudomonas syringae coriandricola* + *Pseudomonas viridiflava.* Agar method + PCR + pathogenicity test in case of suspect colonies.	301.00	60 days	30000
PA-BA-111	*Pseudomonas syringae* pv. *apii* + *Pseudomonas syringae* pv. *coriandricola* + *Pseudomonas viridiflava.* Agar method + PCR + pathogenicity test in case of suspect colonies.	345.00	60 days	30000
Dill, Carrot, Coriander, Parsley				
PA-BA-CAND	Detection by PCR of *Candidatus liberibacter solanaceraum*.	109.00	10 days	20000
Mycology - See p.8/9 "Seed health quality"				
Dill				
PA-ES-ANF	Pathogenic fungal flora. ***Stemphylium botryosum (Pleospora tarda), Alternaria radicina (Stemphylium radicinum), Fusarium*** (*Discolour* section and other sections), *Botrytis* sp.	88.00	19 days	400
Basil				
PA-ES-BAS	Pathogenic fungal flora. ***Fusarium oxysporum***, *Fusarium* (*Discolour* section and other sections), *Botrytis* sp.	88.00	19 days	400
PA-MIBASGO	***Peronospora*** spp. Grow-out test.	104.00	42 days	400
PA-MIBASG3	***Peronospora*** spp. Grow-out test.	217.00	42 days	3000

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

* COFRAC assay

[40] Quarantine parasite

Seed health quality

		Price	Duration	Size
Mycology - See p.8/9 "Seed health quality"				
Lavender				
PA-ES-LAV	Pathogenic fungal flora. ***Phomopsis lavandulae, Botrytis sp., Fusarium*** (all sections), *Phoma* sp.	88.00	19 days	400
Parsley				
PA-SE-PER	***Septoria petroselini.*** Direct visual observation. **Treated seeds only. Stop of the analysis at 400 seeds if positive.**	73.00	15 days	1000
PA-SE-PERD	***Septoria petroselini.*** Direct visual observation and counting. **Untreated seeds only. Stop of the analysis at 400 seeds if positive.**	85.00	15 days	1000
PA-MI-PER	***Plasmopara nivea (P. crustosa).*** Seed wash method. **Untreated seed only.**	85.00	15 days	500
PA-ES-PER	Pathogenic fungal flora. ***Alternaria petroselini (Stemphylium radicinum var. petroselini), Alternaria dauci,*** *Fusarium* (all sections), *Botrytis* sp.	88.00	19 days	400

Other analyzes available see tab "All Species" (bacteriology supplement counting, identification of Fusarium, nematology for soil, other tests).

EVALUATION OF VARIETIES

			Price	Duration	Size
Varietal resistance - Different prices outside test periods. Contact SNES for information on the periods according to the species.					
Basil					
PA-R-BAS		*Peronospora belbahrii.*	149.00	/	450
Technological qualities: biochemical tests					
Stevia					
BI-B-HPLC-STEV	**NEW**	Steviosid and rebaudiosid A content by high performance liquid chromatography (HPLC).		Contact BioGEVES	
Genotyping by molecular biology					
Poppy					
BI-G-BM-SSR-CID		Varietal identity control.		Contact BioGEVES	
Field test by SEV					
SEV-DHS-AROMED	**NEW**	DUS Testing for **Aromatic** and **Medicinal plants.**	1700.00	/	/

* COFRAC assay [40] Quarantine parasite

Disease test supplies

Pests of GEVES' price list, as well as pests that cause major diseases of straw cereals can be supplied. 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 pests

		Price	Duration	Size
Specific preparation of germinated sunflower seeds contaminated by Plasmopara halstedii[40] (downy mildew)				
PA-AD-TOU1	Up to 50 seeds.	98.00	/	/
Specific preparation of germinated sunflower seeds contaminated by Plasmopara halstedii[40] (downy mildew)				
PA-AD-TOU2	From 51 to 100 seeds.	120.00	/	/
PA-AD-BOI	In addition, if supplied box kept by the customer.	23.90	/	/
Specific preparation of lettuce seedlings infected with Bremia lactucae				
PA-AD-BREM	Specific preparation of 1 race of *Bremia lactucae*, 30 cotyledons in the test period.	84.00	/	/
Specific preparation of lettuce seedlings infected with Nasonovia ribisnigri				
PA-AD-NAS	Specific preparation of race Nr: 0, 2 seedlings with presence of apterae.	103.00	/	/
Specific preparation of melon cotyledons infected by Powdery mildew				
PA-AD-POD	Specific preparation of 2 cotyledons infected by 1 race of *Podosphaera xanthii.*	103.00	/	/
PA-AD-GOL	Specific preparation of 2 cotyledons infected by 1 race of *Golovinomyces cichoracearum.*	103.00	/	/
Specific preparation of a suspension of Ditylenchus dipsaci [40] larvae				
PA-AD-DIT	Specific preparation of *Ditylenchus dipsaci*[40] larvae (e.g. price: 1270€ to inoculate 9000 plants).		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 (*Puccinia striiformis*): contact SEV.	100.00	/	/
PA-AD-ROU	Specific preparation of a vial of spores of stripe rust (*Puccinia striiformis*) or brown rust (*Puccinia recondita*) or crown rust (*Puccinia coronata*).	46.00	/	/
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-FOU	Specific preparation of reference isolate in Petri dishes (2 dishes/strain), in Bos (1g).	105.00	/	/
PA-AD-MP	Specific preparation of galls of *Meloïdogyne incognita* or *Plasmodiophora brassicae* (5g).	105.00	/	/
PA-AD-GLO	Specific preparation of kyste of *Globodera pallida*[40] or *Globodera rostochiensis*.[40]		Contact SNES	
PA-AD-HET	Specific preparation of kyste of *Heterodera schachtii.*		Contact SNES	

Controls/diferential hosts vegetables (MATREF)

		Price	Duration	Size
PA-HD-BLAI	Complete pack of differential hosts for *Bremia* of **Lettuce,** for one sowing unit (1g).	305.00	/	/
PA-HD-CAR	Controls and differential hosts for the **Carrot,** for one sowing unit (200 seeds).	41.00	/	/
PA-HD-COU	Controls and differential hosts for the **Squash,** for one sowing unit (200 seeds).	71.00	/	/
PA-HD-PAS	Controls and differential hosts for the **Watermelon,** for one sowing unit (200 seeds).	71.00	/	/
PA-HD-HAR	Controls and differential hosts for the **Bean,** for one sowing unit (200 seeds).	56.00	/	/
PA-HD-LAI	Controls and differential hosts for the **Lettuce,** for one sowing unit (1g for *Bremia*, 200 seeds for other pathogens).	56.00	/	/
PA-HD-MAC	Controls and differential hosts for the **Corn salad,** for one sowing unit (200 seeds).	41.00	/	/
PA-HD-MEL	Controls and differential hosts for the **Melon,** for one sowing unit (200 seeds).	71.00	/	/
PA-HD-PIM	Controls and differential hosts for the **Capsicum,** for one sowing unit (200 seeds).	81.00	/	/
PA-HD-POI	Controls and differential hosts for the **Pea,** for one sowing unit (200 seeds).	56.00	/	/
PA-HD-TOM	Controls and differential hosts for the **Tomato,** for one sowing unit (200 seeds).	71.00	/	/
PA-HD-PGTO	Controls and differential hosts for the **Tomato Rootstock,** for one sowing unit (200 seeds).	81.00	/	/

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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. Tariffs below not includes : - provision of seeds, - shipment.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

	Tariff	Contact
Purity – All species.	160.00	Fabienne BRUN eil.semences@geves.fr
Germination – All species.	108.00	
Water content – All species.	69.00	
Mass of 1000 seeds – All species.	63.00	
Organisation of inter-laboratory comparisons tests on request.	Quotation	
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 their 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 (avalaible 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
Technichal training with SNES. Seed quality analysis, inter or in-company, at SNES or on-site.	Fabienne BRUN
Technichal training with BioGEVES.	biogeves.analyses@geves.fr
Technichal training with SEV.	Rachel TESSIER
For international expertise.	Kaat HELLYN

OUR PUBLICATIONS AND REFERENCE MATERIAL
National Seed Testing Station

OUR PUBLICATIONS AND REFERENCE MATERIAL

Technical Data

Reference Collections

Seed Control Kits

More information at **www.geves.fr**

Contact SNES customer services:
service.clients@geves.fr

GEVES
Expertise & Performance

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 receipt of the complaint to the client, defines an appropriate treatment as soon as possible. GEVES informs the complainant of the progress of the complaint 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 - Force majeure

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

Article 12 - 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 13 - 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.

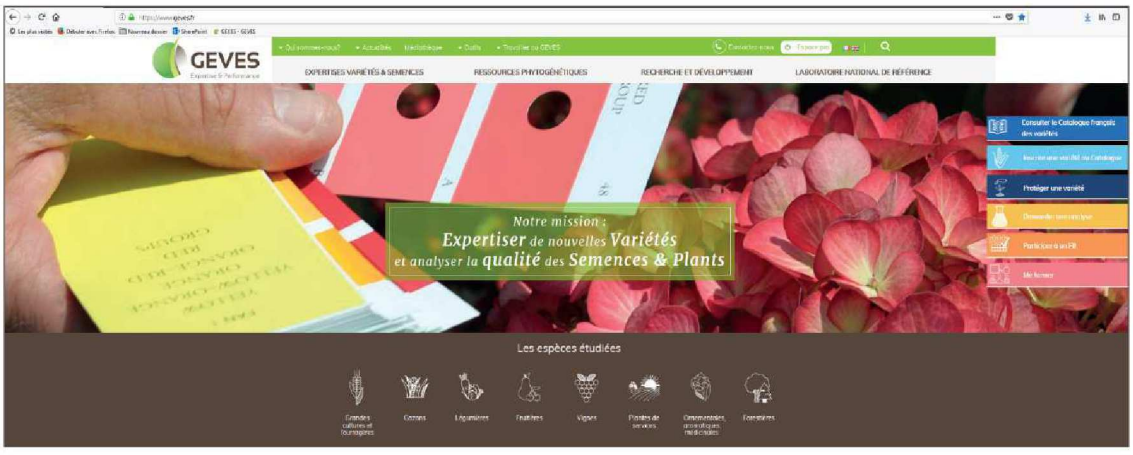
By appending his signature on quotation or by ticking the box "I hereby acknowledge that I have read and accept in full the general terms of sale" in case of order by internet on GEVES website, the customer:
- *recognizes and accepts without reserve the present general terms of sale and that those will 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



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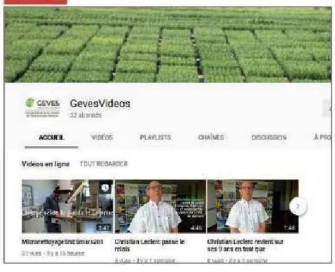

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