



CATÁLOGO ROMER MICROBIOLOGÍA 2013, AKRALAB

[Pulsar Aquí](#)



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AgraQuant® Allergen ELISA Test Kits

AgraQuant® Allergen Test Kits, using sandwich enzyme linked immunosorbent assay (ELISA) technology, have been developed to determine the level of specific food allergens in different commodities.

AgraQuant® Allergen ELISA Test Kits are designed to analyze raw materials as well as processed foods.

Each kit comes complete with standards, antibodycoated micro-wells, extraction buffer, wash buffer, conjugate, substrate and stop solution.

AgraQuant® Allergen Kit Performance

	Item No.	Quantitation Range	Limit of Detection
AgraQuant® Almond	COKAL0748	0.4 – 10 ppm	0.2 ppm
AgraQuant® Casein	COKAL1200	0.2 – 6 ppm	0.04 ppm
AgraQuant® Crustacea	COKAL2248	20 – 400 ppb	0.9 ppb
AgraQuant® Egg white	COKAL0848	0.4 – 10 ppm	0.05 ppm
AgraQuant® Fish	COKAL2548	4 – 100 ppm	1.4 ppm
AgraQuant® Gluten G12	COKAL0200	4 – 200 ppm	2 ppm
AgraQuant® Gluten	COKAL0248	4 – 120 ppm	0.6 ppm
AgraQuant® Hazelnut	COKAL0348	1 – 40 ppm	0.3 ppm
AgraQuant® β-Lactoglobulin	COKAL1048	10 – 400 ppb	1.5 ppb
AgraQuant® Lupin	COKAL1548	2 – 30 ppm	0.2 ppm
AgraQuant® Lysozyme	COKAL2848	25 – 250 ppb	2 ppb
AgraQuant® Milk	COKAL2448	0.4 – 10 ppm	0.05 ppm
AgraQuant® Mustard	COKAL2148	2 – 60 ppm	1 ppm
AgraQuant® Ovalbumin	COKAL2948	25 – 500 ppb	4 ppb
AgraQuant® Peanut	COKAL0148	1 – 40 ppm	0.1 ppm
AgraQuant® Pistachio	COKAL2748	1 – 40 ppm	0.13 ppm
AgraQuant® Sesame	COKAL1948	2 – 30 ppm	0.2 ppm
AgraQuant® Soy	COKAL0448	40 – 1000 ppb	16 ppb
AgraQuant® Walnut	COKAL0948	2 – 60 ppm	0.35 ppm



BENEFITS:

- Highly sensitive – low detection limits
- Rapid – 60 minutes total incubation time
- Stable – 12 months shelf life
- User friendly - ready to use reagents and simple handling procedure, common for all AgraQuant® Allergen Test Kits
- Cost-effective – breakaway microwell format; minimizes waste and maximizes value

AgraQuant® Allergen ELISA Test Kits
FOOD ALLERGENS

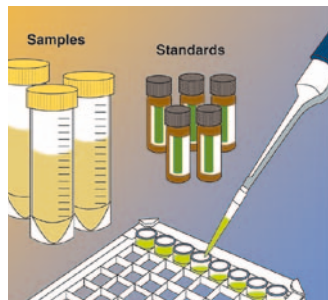


a tu lado desde 1987

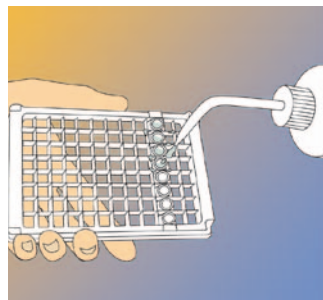
Procedure for AgraQuant® Allergen Test Kit

IMPORTANT: Please read kit insert before running the test.

Assay Procedure:



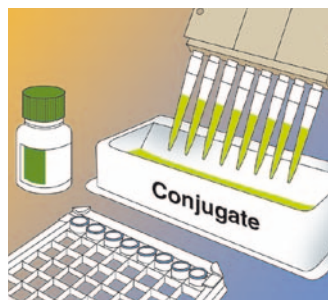
1) Add 100 µL standard or sample to antibody coated well and incubate for 20 minutes.



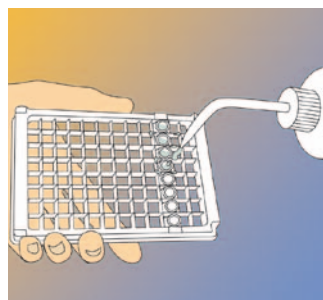
2) Discard contents from the wells and wash five times with wash buffer.



3) Tap to dry the plate.



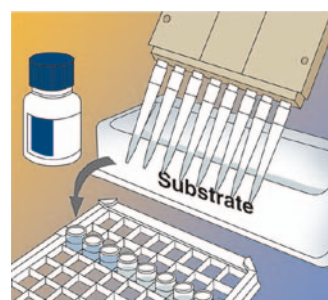
4) Add 100 µL of conjugate into well and incubate for 20 minutes.



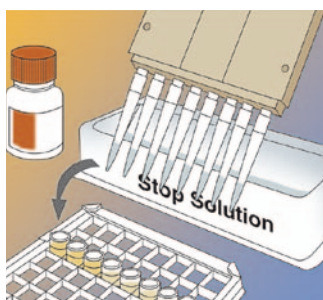
5) Discard contents from the wells and wash five times with wash buffer.



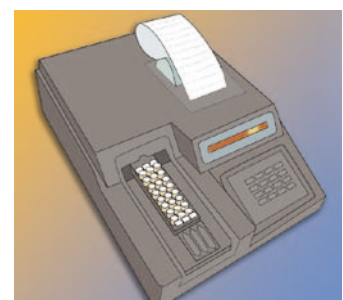
6) Tap to dry the plate.



7) Add 100 µL substrate to each well and incubate for 20 minutes in the dark.



8) Add 100 µL stop solution to each well.



9) Read wells with a microwell reader using a 450 nm filter and interpret results.

For further information, please contact:

• office@romerlabs.com • salesasia@romerlabs.com • office-europe@romerlabs.com



AgraQuant® Mycotoxin ELISA Test Kit

Romer Labs® has developed a rapid, quantitative enzyme-linked immunosorbent assay (ELISA) for the analysis of mycotoxins in grains, nuts, cereals and other commodities including animal feeds.

Each kit comes complete with 5-6 standards, 48 or 96 antibody-coated microwells, 48 or 96 color-coded dilution microwells, conjugate, substrate and stop solution.

AgraQuant® Kit Performance

- *Accurate* – Results are comparable with published HPLC method
- *Highly Sensitive*

	Item No.	Quantitation Range	Limit of Detection
AgraQuant® Total Aflatoxin	COKAQ1100	1-20 ppb	1 ppb
AgraQuant® Total Aflatoxin	COKAQ1100	4-40 ppb	3 ppb
AgraQuant® Aflatoxin B1	COKAQ8000	2-50 ppb	2 ppb
AgraQuant® Ochratoxin	COKAQ2000	2-40 ppb	2 ppb
AgraQuant® Total Fumonisin	COKAQ3000	0.25-5.0 ppm	0.2 ppm
AgraQuant® DON	COKAQ4000	0.25-5.0 ppm	0.2 ppm
AgraQuant® ZON	COKAQ5000	25-1000 ppb	20 ppb
AgraQuant® T-2 Toxin	COKAQ6000	75-500 ppb	35 ppb
AgraQuant® Aflatoxin M1 sensitive	COKAQ7100	25-500 ppt	18 ppt
AgraQuant® Aflatoxin M1 fast	COKAQ7200	100-2000 ppt	89 ppt

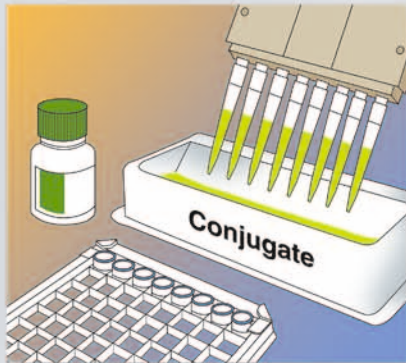
- *Reproducible* – Consistent results obtained in intra- and inter-laboratory settings

Benefits

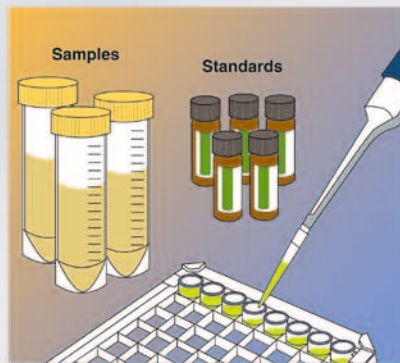
- *Rapid* – 10-20 minutes total incubation time (except Aflatoxin M1 kits)
- *Stable* – up to 12 months shelf life
- *Easy* – Simple sample extraction and no clean up steps required
- *Cost-effective* – 48 or 96 breakaway microwell format; minimizes waste and maximizes value
- *Convenient* – Up to 30 minutes reading time after stopping the reaction

Procedure for AgraQuant® Mycotoxin ELISA

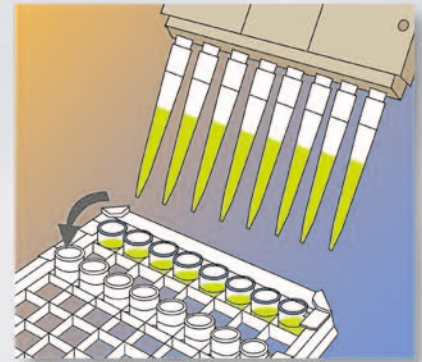
IMPORTANT: Please read kit insert before running the test.



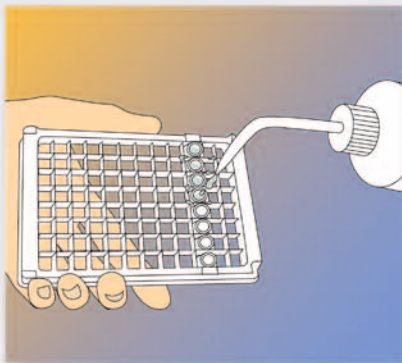
1) Add 200 μ L conjugate into each color-coded dilution well.



2) Add 100 μ L standards or samples to the conjugate.



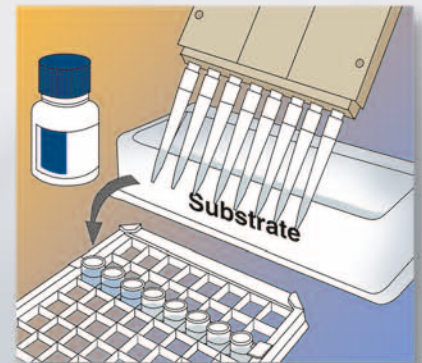
3) Mix well. Transfer 100 μ L content to antibody-coated wells. Incubate for 5-60 minutes.



4) Discard contents from the wells and wash wells with deionized water or buffer solution (5x).



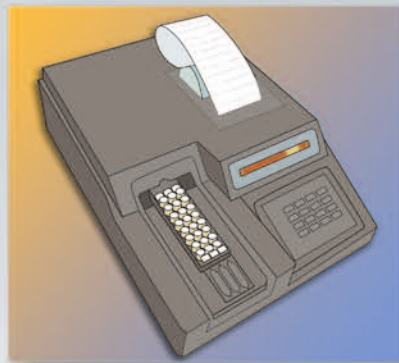
5) Tap dry the wells on absorbent paper towel.



6) Add 100 μ L substrate into each well. Incubate for 5-20 minutes.



7) Add 100 μ L stop solution into each well.



8) Analyze results using an ELISA reader with 450 nm filter.

For further information, please contact:

• office@romerlabs.com • salesasia@romerlabs.com • office-europe@romerlabs.com

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Romer Labs®

AgraStrip®

Qualitative and Quantitative Mycotoxin Test Kits

Lateral Flow Devices for Rapid Analysis of Mycotoxins in various commodities. Qualitative AgraStrip®, designed for quick easy-to-use testing with visible detection, are available for total Aflatoxins.

Quantitative AgraStrip® test kits are designed to be used with the AgraStrip® **XReader** and are available for Deoxynivalenol and Fumonisin. The AgraStrip® **XReader** is a sensitive, easy-to-use laboratory instrument, measuring the intensity of the lines on a AgraStrip® and calculating the actual mycotoxin concentration.



Each kit contains 24 test strips, 24 microwells coated with the antibody particle complex (conjugate), 24 dilution wells (when necessary), a microwell holder and one bottle of assay buffer.

AgraStrip® Kit Performance

- Accurate – results are comparable with published HPLC methods
- Reproducible – consistent results obtained in intra- and inter-laboratory settings
- Flexible – different cutoff levels/quantification ranges available

Test Kit	Item No.	Cutoff Level	Quantification Range
AgraStrip® Total Aflatoxin	COKAS1100	4 ppb	n/a
AgraStrip® Total Aflatoxin	COKAS1200	10 ppb	n/a
AgraStrip® Total Aflatoxin	COKAS1000	20 ppb	n/a
AgraStrip® Quantitative AflaM1	COKAS1500	n/a	0.1 – 0.6 ppb
AgraStrip® Quantitative DON	COKAS4000	n/a	0.2 – 6 ppm*
AgraStrip® Quantitative FUM	COKAS3000	n/a	0.2 – 8 ppm

*matrix dependent

BENEFITS:

- Rapid – 5 minute method
- Flexible – Qualitative and Quantitative
- Cost Effective – Consistent price per test
- All inclusive – Accessory materials and reagent included
- User Friendly – Easily train technicians in minutes
- Stable – 12 months shelf life

AgraStrip® Qualitative and Quantitative Test Kits
MYCOTOXIN

Procedure for AgraStrip® Quantitative Test Kit



1. Remove microwell sealer, and place the appropriate number of conjugate coated microwells in a microwell holder. Re-seal the un-used



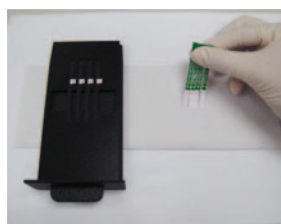
2. Add 50 µL of assay buffer to each conjugate coated microwell and incubate for 30 seconds at room temperature.



3. Add 50 µL of sample extract to each microwell, mixing the content in each well by pipetting it up and down 10 times.



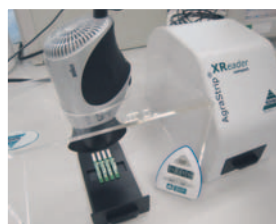
4. Put one test strip into one well and allow the test strip to develop color for 3 minutes.



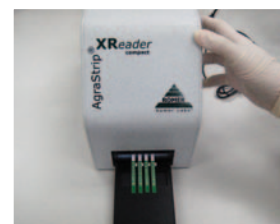
5. Wipe the end of the strip test onto an absorbent paper.



6. Insert the strip into the strip holder/tray for drying.



7. Use the AgraStrip® **XDryer** at level II at a distance of 5 cm from the strip surface to dry the strips for 1 min.



8. Read with the AgraStrip® **XReader**

Result Interpretation

A color line always appears in the upper section of the test strip to indicate that the test strip is working properly. This line is the control line.

Invalid results: If there is no control line in the control zone, the test is invalid and the sample should be re-tested by using a valid test strip.

Valid results: 2 lines are visible. The intensity of the line in the test zone is concentration dependent and has to be measured with the AgraStrip® **XReader**.

For further information, please contact:

AgraStrip® Allergen Lateral Flow Test Kits



The AgraStrip® Allergen Test Kits are immunological rapid test in lateral flow format for the detection of allergens in food, rinse waters and environmental swabs. Lateral flow devices are a very fast and easy to use on-site detection method for traces of food allergens. The AgraStrip® tests form a system allowing on-site detection of multiple food allergens.



Test Kit	Order number
AgraStrip® Almond Kit	COKAL0710AS
AgraStrip® Brazil nut Kit	COKAL1710AS
AgraStrip® Casein Kit	COKAL1210AS
AgraStrip® Cashew/Pistachio Kit	COKAL1310AS
AgraStrip® Coconut Kit	COKAL2610AS
AgraStrip® Egg Kit	COKAL1810AS
AgraStrip® Gluten G12 Kit	COKAL0200AS
AgraStrip® Gluten Kit	COKAL0210AS
AgraStrip® Hazelnut Kit	COKAL0310AS
AgraStrip® Lupin Kit	COKAL1510AS
AgraStrip® Macadamia nut Kit	COKAL1610AS
AgraStrip® Mustard Kit	COKAL2110AS
AgraStrip® Peanut Kit	COKAL0110AS
AgraStrip® Sesame Kit	COKAL1910AS
AgraStrip® Soy Kit	COKAL0410AS
AgraStrip® Walnut Kit	COKAL0910AS

TEST KIT COMPONENTS:

- 10 AgraStrip® Test Strips
- 1 Dropper Bottle containing 35 mL Extraction Solution
- 10 Extraction Tubes and Caps
- 10 Incubation Vials with ready to use antibodies
- 10 Extraction Tube dropper tips
- 10 Swabs
- 1 stand for Incubation Vials

BENEFITS:

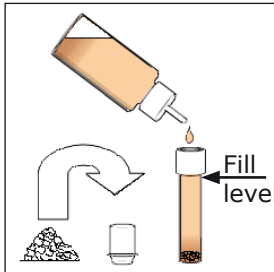
- On-site testing – no equipment needed
- Easy – simple on-site procedure with ready to use components
- Sensitive – low cut off levels
- Fast – 11 minutes including extraction
- Stable – long shelf life at room temperature

AgraStrip® Allergen Lateral Flow Test Kits
FOOD ALLERGENS

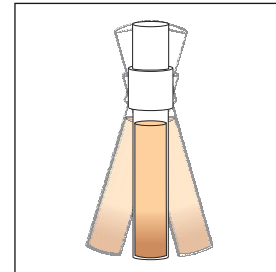
Procedure for AgraStrip® Allergen - on-site testing

IMPORTANT: Please read kit insert before running the test.

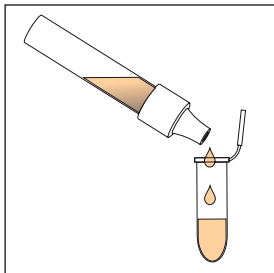
Test Procedure*:



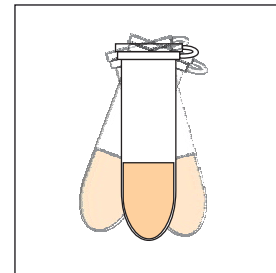
1. Homogenise the sample and weigh 0.2 g of sample and add to the extraction tube. (If balance is unavailable 0.2 g can be estimated by filling the extraction tube cap). Fill tube with extraction solution to level shown in picture.



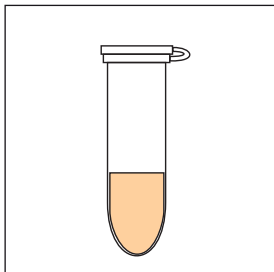
2. Close tube using the extraction tube cap, and shake vigorously by hand for 1 minute. Remove extraction tube cap and replace with dropper tip.



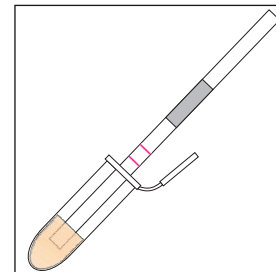
3. Transfer 12 drops (400µl) of the sample supernatant into the incubation vial by squeezing the extraction tube.



4. Shake incubation vial vigorously by hand for 15 seconds (ensuring liquid comes in contact with the lid of the vial).



5. Leave to stand at room temperature for 5 minutes.

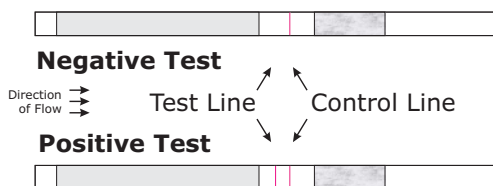


6. Add test strip to incubation vial and remove test strip from incubation vial after 5 minutes and read result immediately.

Swabbing and rinse water application available.

*Slightly different test procedure for AgraStrip® Gluten (COKAL0210AS), AgraStrip® Gluten G12 (COKAL0200AS) and AgraStrip® Soy (COKAL0410AS)- please refer to package insert.

Result Interpretation



Negative result: One single red line in the control zone of the strip.

Positive result: One red line in the test zone and one red line in the control zone. The sample contains the specific allergen higher than the cutoff level (which needs to be validated for individual matrices).

In cooperation with IFP



Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
15-Acetoxy-scirpenol (on request)	50	acetonitrile	1 mL	LMY-088-1ML
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	5 mL	002014
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	1 mL	S02014
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	5 mL	002012
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	1 mL	S02012
Aflatoxin B1 (AFB1)	2	acetonitrile	5 mL	002017
Aflatoxin B1 (AFB1)	2	acetonitrile	1 mL	S02017
Aflatoxin B2 (AFB2)	0.5	acetonitrile	5 mL	002018
Aflatoxin B2 (AFB2)	0.5	acetonitrile	1 mL	S02018
Aflatoxin G1 (AFG1)	2	acetonitrile	5 mL	002019
Aflatoxin G1 (AFG1)	2	acetonitrile	1 mL	S02019
Aflatoxin G2 (AFG2)	0.5	acetonitrile	5 mL	002020
Aflatoxin G2 (AFG2)	0.5	acetonitrile	1 mL	S02020
Aflatoxin M1	0.5	acetonitrile	5 mL	002030
Aflatoxin M1	0.5	acetonitrile	1 mL	S02030
Agroclavine	100	dried down	5 mL	002071
Alpha-Zearalanol (Zeranol)	10	acetonitrile	1 mL	S02054
Alpha-Zearalanol	10	acetonitrile	1 mL	S02042
Alternariol	100	dried down	1 mL	S02076
Alternariolmethylether	100	dried down	1 mL	S02077
Beauvericin (on request)	100	dried down	1 mL	LMY-056-1ML
Beta-Zearalanol (Taleranol)	10	acetonitrile	1 mL	S02055
Beta-Zearalanol	10	acetonitrile	1 mL	S02043
Citreoviridin (on request)	100	dried down	1 mL	LMY-084-1ML
Cyclopiazonic Acid (on request)	100	acetonitrile	1 mL	LMY-095-1ML
Citrinin (on request)	100	acetonitrile	1 mL	S02063
Deepoxy-deoxynivalenol	50	acetonitrile	5 mL	002033
Deepoxy-deoxynivalenol	50	acetonitrile	1 mL	S02033
Deoxynivalenol (DON)	100	acetonitrile	5 mL	002009
Deoxynivalenol (DON)	100	acetonitrile	1 mL	S02009
Deoxynivalenol-3-glucoside	50	acetonitrile	1 mL	S02046
Diacetoxyscirpenol (DAS)	100	acetonitrile	5 mL	002037
Diacetoxyscirpenol (DAS)	100	acetonitrile	1 mL	S02037
Fumagillin	100	acetonitrile	1 mL	S02056
Fumonisin B1 (FB1)	50	acetonitrile/water	5 mL	002003
Fumonisin B1 (FB1)	50	acetonitrile/water	1 mL	S02003
Fumonisin B1, hydrolyzed (HFB1) (on request)	25	acetonitrile/water	1 mL	LMY-087-1ML
Fumonisin B2 (FB2)	50	acetonitrile/water	5 mL	002004
Fumonisin B2 (FB2)	50	acetonitrile/water	1 mL	S02004
Fumonisin B3 (FB3)	50	acetonitrile/water	1 mL	S02007
Fusarenon X (FusX)	100	acetonitrile	5 mL	002010
Fusarenon X (FusX)	100	acetonitrile	1 mL	S02010
Gliotoxin (on request)	100	acetonitrile	1 mL	S02057
HT-2 Toxin (HT-2)	100	acetonitrile	5 mL	002036
HT-2 Toxin (HT-2)	100	acetonitrile	1 mL	S02036
Kojic acid (on request)	100	dried down	1 mL	LMY-083-1ML
Meleagrín (on request)	100	dried down	1 mL	LMY-081-1ML
Moniliformin (MON)	100	acetonitrile/water	1 mL	S02058
Mycophenolic acid (on request)	100	acetonitrile	5 mL	002049
Mycophenolic acid (on request)	100	acetonitrile	1 mL	S02049
Neosolaniol (NEO)	100	acetonitrile	5 mL	002001
Neosolaniol (NEO)	100	acetonitrile	1 mL	S02001
Nivalenol (NIV)	100	acetonitrile	5 mL	002011
Nivalenol (NIV)	100	acetonitrile	1 mL	S02011
Ochratoxin A (OTA)	10	acetonitrile	5 mL	002023
Ochratoxin A (OTA)	10	acetonitrile	1 mL	S02023
Ochratoxin B (OTB)	10	acetonitrile	1 mL	S02052
Ochratoxin-alpha (OTa)	10	acetonitrile	1 mL	S02053
Patulin (PAT)	100	acetonitrile	5 mL	002026
Patulin (PAT)	100	acetonitrile	1 mL	S02026

Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Paxillin (on request)	100	acetonitrile	1 mL	S02059
Penicillic acid	100	acetonitrile	1 mL	S02060
PR-Toxin (Coming soon!)	-	-	-	-
Roquefortine C	100	dried down	1 mL	S02079
Secalonic Acid D	50	chloroform	1.2 mL	LMY-091-1.2ML
Stachybotrylactam (on request)	100	dried down	1 mL	LMY-086-1ML
Sterigmatocystin (on request)	50	acetonitrile	5 mL	002051
Sterigmatocystin (on request)	50	acetonitrile	1 mL	S02051
T-2 Tetraol	50	acetonitrile	1 mL	S02048
T-2 Toxin (T-2)	100	acetonitrile	5 mL	002035
T-2 Toxin (T-2)	100	acetonitrile	1 mL	S02035
T-2 Triol	50	acetonitrile	1 mL	S02047
Tentoxin (on request)	100	dried down	1 mL	S02078
Tenuazonic acid (on request)	100	dried down	1 mL	LMY-080-1ML
Verruculogen	100	acetonitrile	1 mL	S02061
Wortmannin (on request)	100	acetonitrile	1 mL	S02062
Zearalanone (ZAN) (on request)	10	acetonitrile	1 mL	S02041
Zearalenone (ZON)	100	acetonitrile	5 mL	002029
Zearalenone (ZON)	100	acetonitrile	1 mL	S02029

Ergot Alkaloids

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Dihydroergocristine (on request)	100	dried down	5 mL	LMY-085-5ML
Ergocornine	100	dried down	5 mL	002064
Ergocorninine	25	dried down	5 mL	002072
Ergocristine	100	dried down	5 mL	002065
Ergocristinine	25	dried down	5 mL	002073
Ergocryptine	100	dried down	5 mL	002066
Ergocryptinine	25	dried down	5 mL	002074
Ergometrine	100	dried down	5 mL	002067
Ergometrinine	25	dried down	5 mL	LMY-090-5ML
Ergosine	100	dried down	5 mL	002068
Ergosinine	25	dried down	5 mL	LMY-089-5ML
Ergotamine	100	dried down	5 mL	002069
Ergotaminine	25	dried down	5 mL	002075
Ergovalin (Coming soon!)	-	-	-	-

Mycotoxin Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
MIX 1 (Aflatoxins)				
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	2 (AFB1 & AFG1) 0.5 (AFB2 & AFG2)	acetonitrile	5 mL 1 mL	002021 S02021
MIX 2 (B-Trichothecenes)	100	acetonitrile	5 mL	002016
DON, NIV, 3-AcDON, 15-AcDON			1 mL	S02016
MIX 3 (Fumonisin)	50	acetonitrile/water	5 mL	002006
FB1 & FB2			1 mL	S02006
MIX 4 (A+B-Trichothecenes & ZON)	10	acetonitrile	5 mL	002002
3-AcDON, DON, NIV, FusX, HT-2, T-2, DAS, ZON			1 mL	S02002
MIX 5 (Aflatoxins)	0.25 each	acetonitrile	6 mL	002022
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2			1 mL	S02022
MIX 6 (Ergot Alkaloids)	100	dried down	5 mL	002070
Ergocornine, Ergocristine, Ergocryptine, Ergometrine, Ergosine, Ergotamine				
MIX 8 (Fusarium Toxins)	100 (DON & HT-2) 10 (T-2) 30 (ZON)	acetonitrile	5 mL	LMY-093-5ML
DON, HT-2, T-2, ZON				
MIX 9 (Aflatoxins)	1 each	acetonitrile	5 mL	LMY-092-5ML
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2				

Mycotoxin Calibrant Kit

Component	Unit	Cat. No.
KIT 1 (LC-MS Mycotoxin Kit)		
MIX 3 (Fumonisin), MIX 8 (Fusarium Toxins), MIX 9 (Aflatoxins) Ochratoxin A, MIX 10 (¹³ C Fusarium Toxins), MIX 11 (¹³ C Aflatoxins), MIX 12 (¹³ C Fumonisin) U-[¹³ C ₂₀]-Ochratoxin A	1 Box containing 8 vials	KIT-001
Concentration See items: 002006, LMY-093-5ML, LMY-092-5ML, 002023, ILM-025-1.2ML, ILM-024-1.2ML, ILM-023-1.2ML, ILM007		



Stable Isotope Labeled Calibrants

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
U-[¹³ C ₁₇]-3-Acetyl-Deoxynivalenol	25	acetonitrile	1.2 mL	ILM006
U-[¹³ C ₁₇]-Aflatoxin B1	0.5	acetonitrile	1.2 mL	ILM010
U-[¹³ C ₁₇]-Aflatoxin B2	0.5	acetonitrile	1.2 mL	ILM-011-1.2ML
U-[¹³ C ₁₇]-Aflatoxin G1	0.5	acetonitrile	1.2 mL	ILM-012-1.2ML
U-[¹³ C ₁₇]-Aflatoxin G2	0.5	acetonitrile	1.2 mL	ILM-013-1.2ML
U-[¹³ C ₁₇]-Aflatoxin M1	0.5	acetonitrile	1.2 mL	ILM-021-1.2ML
U-[¹³ C ₁₉]-Diacetoxyscirpenol	25	acetonitrile	1.2 mL	ILM-020-1.2ML
U-[¹³ C ₁₁]-Chloramphenicol	25	acetonitrile	1.2 mL	ANT-006-1.2ML
U-[¹³ C ₆₂]-Cyclosporine A	25	acetonitrile	1.2 mL	ANT-003-1.2ML
U-[¹³ C ₆]-Deoxynivalenol	25	acetonitrile	1.2 mL	002005
U-[¹³ C ₂₆]-Fumagillin (Coming soon!)	-	-	-	-
U-[¹³ C ₃₄]-Fumonisin B1	25	acetonitrile/water	1.2 mL	ILM003
U-[¹³ C ₃₄]-Fumonisin B2	10	acetonitrile/water	1.2 mL	ILM004
U-[¹³ C ₃₄]-Fumonisin B3	10	acetonitrile/water	1.2 mL	ILM005
U-[¹³ C ₁₇]-Griseofulvin	25	acetonitrile	1.2 mL	ANT-001-1.2ML
U-[¹³ C ₂₂]-HT-2 Toxin	25	acetonitrile	1.2 mL	ILM008
U-[¹³ C ₆]-Kojic Acid (on request)	25	acetonitrile	1.2 mL	ILM-022-1.2ML
U-[¹³ C ₂₀]-Ochratoxin A	10	acetonitrile	1.2 mL	ILM007
U-[¹³ C ₂₂ ¹⁵ N ₂]-Oxytetracycline	2.5	dried down	5 x 1 mL	ANT-010
U-[¹³ C ₇]-Patulin	25	acetonitrile	1.2 mL	ILM-015-1.2ML
U-[¹³ C ₃]-Melamine	100	acetonitrile/water	1.2 mL	CMT002
U-[¹⁵ N ₅]-Meleagrin (on request)	25	acetonitrile	1.2 mL	ILM-018-1.2ML
U-[¹³ C ₁₇]-Mycophenolic acid (on request)	100	acetonitrile	1.2 mL	ILM-014-1.2ML
U-[¹³ C ₁₅]-Nivalenol	25	acetonitrile	1.2 mL	ILM-019-1.2ML
U-[¹³ C ₂₂]-Roquefortine C	25	acetonitrile	1.2 mL	ILM-016-1.2ML
U-[¹³ C ₁₈]-Sterigmatocystin (on request)	25	acetonitrile	1.2 mL	ILM-017-1.2ML
U-[¹³ C ₂₂ ¹⁵ N ₂]-Tetracycline	2.5	dried down	5 x 1 mL	ANT-008
U-[¹³ C ₂₄]-T-2 Toxin	25	acetonitrile	1.2 mL	002044
U-[¹³ C ₁₈]-Zearalenone	25	acetonitrile	1.2 mL	ILM009

Stable Isotope Labeled Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
MIX 10 (¹³ C Fusarium Toxins) U-[¹³ C ₁₅]-DON, U-[¹³ C ₂₂]-HT-2, U-[¹³ C ₂₄]-T-2, U-[¹³ C ₁₈]-ZON	10 (DON & HT-2) 1 (T-2) 3 (ZON)	acetonitrile	1.2 mL	ILM-025-1.2ML
MIX 11 (¹³ C Aflatoxins) U-[¹³ C ₁₇]-Aflatoxin B1, U-[¹³ C ₁₇]-Aflatoxin B2 U-[¹³ C ₁₇]-Aflatoxin G1, U-[¹³ C ₁₇]-Aflatoxin G2	0.5 each	acetonitrile	1.2 mL	ILM-024-1.2ML
MIX 12 (¹³ C Fumonisins) U-[¹³ C ₃₄]-FUM B1, U-[¹³ C ₃₄]-FUM B2	5 each	acetonitrile/water	1.2 mL	ILM-023-1.2ML

Solid Mycotoxin Standards

Component	Cert. Purity* [%]	Amount	Cat. No.
15-Acetyldeoxynivalenol	98.8 ± 1.2	5 mg	001006
15-Acetyldeoxynivalenol	98.8 ± 1.2	10 mg	001106
3-Acetyldeoxynivalenol	99.4 ± 0.6	5 mg	001003
3-Acetyldeoxynivalenol	99.4 ± 0.6	10 mg	001103
Aflatoxin B1	99.5 ± 0.5	5 mg	001012
Aflatoxin B2	99.7 ± 0.3	5 mg	001013
Aflatoxin G1	98.0 ± 2.0	5 mg	001014
Aflatoxin G2	97.1 ± 2.9	5 mg	001015
Deoxynivalenol	99.4 ± 0.6	5 mg	001001
Deoxynivalenol	99.4 ± 0.6	10 mg	001101
Fumonisin B1	97.6 ± 2.4	5 mg	001007
Fumonisin B1	97.6 ± 2.4	10 mg	001107
Fusarenon X	99.4 ± 0.6	5 mg	001004
Fusarenon X	99.4 ± 0.6	10 mg	001104
Neosolaniol	99.4 ± 0.6	5 mg	001010
Neosolaniol	99.4 ± 0.6	10 mg	001110
Nivalenol hydrate	98.6 ± 1.4	5 mg	001005
Nivalenol hydrate	98.6 ± 1.4	10 mg	001105
Ochratoxin A	99.5 ± 0.5	5 mg	001008
Ochratoxin A	99.5 ± 0.5	10 mg	001108
Patulin	99.7 ± 0.3	5 mg	001016
Sterigmatocystin (on request)	99.7 ± 0.3	5 mg	001017
T-2 Toxin	99.7 ± 0.3	5 mg	001011
T-2 Toxin	99.7 ± 0.3	10 mg	001111
Zearalenone	99.4 ± 0.6	5 mg	001009
Zearalenone	99.4 ± 0.6	10 mg	001109

*certified purity will slightly differ from lot to lot

Matrix Reference Materials

Material	Conc. [$\mu\text{g}/\text{kg}$]	Amount	Cat. No.
Deoxynivalenol in Maize	1840 \pm 30 DON	55 g	003014
Deoxynivalenol in Wheat	877 \pm 23 DON	55 g	003022

Check Sample Materials

Material	Conc. [$\mu\text{g}/\text{kg}$]	Amount	Cat. No.
Fumonisin in Maize	FB1: 2630 \pm 740; FB2: 690 \pm 340; FB3: 310 \pm 210	100 g	003017
Fumonisin in Maize	FB1: 270 \pm 110, FB2: < 80; FB3: < 80	100 g	003018
Ochratoxin A in Wheat	OTA: 8.6 \pm 3.6	100 g	003023
Zearalenone and Deoxynivalenol in Maize	ZON: 79 \pm 26; DON: 901 \pm 110;	100 g	003024
Deoxynivalenol in Wheat	DON: 1431 \pm 256; Sum of 3AcDON and 15AcDON < 50	100 g	003025

Alkaloids

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Atropine (on request)	100	dried down	1 mL	ALK-001-1ML
Scopolamine (on request)	100	dried down	1 mL	ALK-003-1ML
Hyoscyamine (on request)	100	dried down	1 mL	ALK-004-1ML
Monocrotaline (on request)	100	dried down	1 mL	ALK-002-1ML
Retrorsine (on request)	50	dried down	1 mL	ALK-005-1ML
Senecionine (on request)	50	dried down	1 mL	ALK-006-1ML
Seneciophylline (on request)	50	dried down	1 mL	ALK-008-1ML
Senkirkine (on request)	50	dried down	1 mL	ALK-007-1ML

Contaminants

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Melamine	100	acetonitrile/water	5 mL	CMT001
U-[$^{13}\text{C}_3$]-Melamine	100	acetonitrile/water	1.2 mL	CMT002

Medical and Veterinary Drugs

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Chloramphenicol	100	acetonitrile	5 mL	ANT-005-5ML
U-[$^{13}\text{C}_{11}$]-Chloramphenicol	25	acetonitrile	1.2 mL	ANT-006-1.2ML
Cyclosporine A	100	acetonitrile	5 mL	ANT-004-5ML
U-[$^{13}\text{C}_{62}$]-Cyclosporine A	25	acetonitrile	1.2 mL	ANT-003-1.2ML
Griseofulvin	100	acetonitrile	5 mL	ANT-002-5ML
U-[$^{13}\text{C}_{17}$]-Griseofulvin	25	acetonitrile	1.2 mL	ANT-001-1.2ML
Tetracycline	2.5	dried down	5 x 1 mL	ANT-007
U-[$^{13}\text{C}_{22}$ $^{15}\text{N}_2$]-Tetracycline	2.5	dried down	5 x 1 mL	ANT-008
Oxytetracycline	2.5	dried down	5 x 1 mL	ANT-009
U-[$^{13}\text{C}_{22}$ $^{15}\text{N}_2$]-Oxytetracycline	2.5	dried down	5 x 1 mL	ANT-010



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Romer Labs® mycotoxin columns

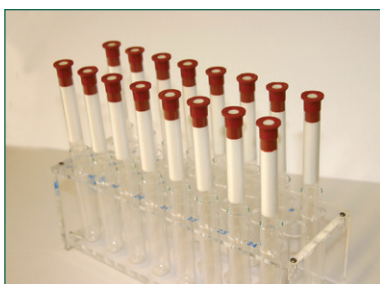
Romer Labs® clean-up columns offer the versatility in analysis depending on the complexity of the commodity, the choice of detection method used and the speed one desires to spend on sample clean-up.



1-step clean up

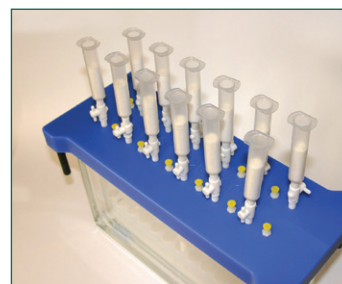
The 1-step clean up is an extremely powerful tool for simple commodities: High sample through put and multianalyte detection can be achieved with this cost efficient clean up columns that are part of official AOAC and CEN methods.

MycoSep®



- Extremely easy and fast to use
- 2 formats of the same column
- Stability: 18 months
- Recoveries: >90%
- The columns are part of AOAC and CEN methods
- Unique principle: The interferences are retained, the analyte passes through the column

MultiSep®



3-step clean up

StarLine™ columns



- Immunoaffinity column
- In line with international regulations and directives
- Recoveries: >95%
- Repeatability: <5%
- Different extraction solutions can be used
- Stability: 18 to 24 months
- For complex commodities and foodstuffs

VOLVER

Type A and B Trichothecenes

- **DonStar™ R**, Order No.: COIAC5004, Box of 25
- **MycoSep® 113 Trich**, Order No.: COCMY2113, Box of 25
- **MycoSep® 225 Trich**, Order No.: COCMY2225, Box of 25
- **MultiSep® 225 Trich**, Order No.: COCMU2225, Box of 25
- **MycoSep® 227 Trich+**, Order No.: COCMY2227, Box of 25
- **MultiSep® 227 Trich+**, Order No.: COCMU2227, Box of 25
- **MycoSep® 230 Niv**, Order No.: COCMY2230, Box of 25
- **MultiSep® 213**, Order No.: COCMU2213, Box of 25
- **MultiSep® 216**, Order No.: COCMU2216, Box of 25

Aflatoxin B1,B2,G1&G2

- **AflaStar™ R**, Order No.: COIAC 1004, Box of 25
- **AflaStar Fit™**, Order No.: COIAC 1001, Box of 25
- **MycoSep® 112 AflaZon**, Order No.: COCMY2112, Box of 25
- **MycoSep® 224 AflaZon**, Order No.: COCMY2224, Box of 25
- **MultiSep® 224 AflaZon**, Order No.: COCMU2224, Box of 25
- **MycoSep® 226 AflaZon+**, Order No.: COCMY2226, Box of 25
- **MultiSep® 226 AflaZon+**, Order No.: COCMU2226, Box of 25
- **MycoSep® 228 AflaPat**, Order No.: COCMY2228, Box of 25
- **MultiSep® 228 AflaPat**, Order No.: COCMU2228, Box of 25

Aflatoxin M1

- **AflaStar™ M1 R**, Order No.: COIAC 1005, Box of 25

Zearalenone, Zearalenols, Zearalanone

- **ZearaStar™**, Order No.: COIAC 4000, Box of 25
- **MycoSep® 224 AflaZon**, Order No.: COCMY2224, Box of 25
- **MultiSep® 224 AflaZon**, Order No.: COCMU2224, Box of 25
- **MycoSep® 226 AflaZon+**, Order No.: COCMY2226, Box of 25
- **MultiSep® 226 AflaZon+**, Order No.: COCMU2226, Box of 25

Ochratoxin A

- **OchraStar™**, Order No.: COIAC2000, Box of 25
- **OchraStar™ Fit**, Order No.: COIAC 2001, Box of 25
- **MycoSep® 229 Ochra**, Order No.: COCMY2229, Box of 25
- **MultiSep® 229 Ochra**, Order No.: COCMU2229, Box of 25

Patulin

- **MycoSep® 228 AflaPat**, Order No.: COCMY2228, Box of 25
- **MultiSep® 228 AflaPat**, Order No.: COCMU2228, Box of 25

Fumonisin B1,B2&B3

- **FumoniStar™**, Order No.: COIAC 3000, Box of 25
- **MycoSep® 231 Fum**, Order No.: COCMY2231, Box of 25
- **MultiSep® 211 Fum**, Order No.: COCMU2211, Box of 25

Ergot Alkaloids

- **MycoSep® 150 Ergots**, Order No.: COCMY2150, Box of 25

Moniliformin

- **MycoSep® 240 Mon**, Order No.: COCMY2240, Box of 25



a tu lado desde 1987

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Romer Labs® GMO TraitChek Products



Product	Item No.	Protein detected	LOD
AgraStrip® RUR-HS Bulk Grain TraitChek	7000011	CP4 EPSPS	0.125 % in corn 0.1 % in canola 0.167 % in alfalfa
AgraStrip® Cry9C Bulk Grain TraitChek	7000012*	Bt-Cry9C	0.125 % in corn
AgraStrip® RUR Bulk Grain TraitChek	7000014	CP4 EPSPS	0.1 % in soy and sugarbeets in 5 min; 0.143 % in soy in 3 min
AgraStrip® RUR Seed and Leaf TraitChek	7000017	CP4 EPSPS	qualitative
AgraStrip® Cry1F Bulk Grain TraitChek (buffer extract)	7000018	Bt-Cry1F	0.9 % in corn
AgraStrip® Cry1Ab Bulk Grain TraitChek	7000025	Bt-Cry1Ab	0.9 % in corn
AgraStrip® Cry1Ab Seed and Leaf TraitChek	7000026	Bt-Cry1Ab	qualitative
AgraStrip® Cry1F Seed and Leaf TraitChek	7000028	Bt-Cry1F	qualitative
AgraStrip® Cry3Bb Bulk Grain TraitChek	7000041	Bt-Cry3Bb	0.125 % in corn
AgraStrip® Cry3Bb Seed and Leaf TraitChek	7000042	Bt-Cry3Bb	qualitative
AgraStrip® LL Bulk Grain TraitChek	7000043	PAT	0.9 % in corn and sugarbeet, 2 % in canola
AgraStrip® Cry1Ab/LL Bulk Grain Combo TraitChek	7000044	Bt-Cry1Ab, PAT	0.9 % in corn
AgraStrip® LL Seed and Leaf TraitChek	7000045	PAT	qualitative
AgraStrip® LL Bulk Grain for Rice TraitChek	7000048*	PAT	0.05 % in LLRice62 2 % in LLRice61
AgraStrip® Cry1F Bulk Grain TraitChek (water extract)	7000053	Bt-Cry1F	0.9 % in corn
AgraStrip® Triple Trait Seed and Leaf TraitChek	7000054	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry3Bb	qualitative
AgraStrip® Cry34Ab1 Bulk Grain TraitChek	7000055*	Bt-Cry34Ab1	0.125 % in corn
AgraStrip® Vip Seed and Leaf TraitChek	7000092	Vip3A	qualitative
AgraStrip® Vip Bulk Grain TraitChek	7000093*	Vip3A	0.33 % in corn
AgraStrip® RUR Toasted Meal TraitChek	7120050	CP4 EPSPS	0.9 % in toasted soy
AgraStrip® Triple Trait Bulk Grain TraitChek	7806000	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry3Bb	0.5 % in corn, 0.9 % in corn, 0.5 % in corn
AgraStrip® Corn Comb 7 Traits	7880610	CP4 EPSPS PAT, Bt-Cry9C Bt-Cry1Ab, Bt-Cry3Bb, Bt-Cry1F Bt-Cry34Ab1	depends on the trait

*approved by USDA/GIPSA



Romer Labs® GMO SeedChek Products



Product	Item No.	Protein detected
AgraStrip® Cry2Ab SeedChek	3000007	Bt-Cry2Ab
AgraStrip® LL Cotton SeedChek	3000008	PAT
AgraStrip® EPSPS SeedChek	3000091	EPSPS (Event GA21)
AgraStrip® Cry1Ac SeedChek	3000094	Bt-Cry1Ac
AgraStrip® RUR-HS Comb SeedChek	3000184	CP4 EPSPS
AgraStrip® PMI SeedChek	7000052	PMI
AgraStrip® RUR SeedChek	7800010	CP4 EPSPS
AgraStrip® Cry3Bb SeedChek	7800011	Bt-Cry3Bb
AgraStrip® Cry34Ab1 SeedChek	7800012	Bt-Cry34Ab1
AgraStrip® RUR-HS SeedChek	7800013	CP4 EPSPS
AgraStrip® Triple Trait SeedChek	7800014	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry3Bb
AgraStrip® Cry1F SeedChek (water extract) - corn	7800015	Bt-Cry1F
AgraStrip® Vip SeedChek	7800016	Vip3A
AgraStrip® Cry1Ab SeedChek	7800017	Bt-Cry1Ab
AgraStrip® Cry1F SeedChek (buffer extract) - cotton	7800018	Bt-Cry1F
AgraStrip® LL SeedChek	7800019	PAT
AgraStrip® RUR Comb SeedChek	7801100	CP4 EPSPS
AgraStrip® Btk SeedChek	7802000	Bt-Cry1Ab, Bt-Cry1Ac
AgraStrip® Btk Comb SeedChek	7802100	Bt-Cry1Ab, Bt-Cry1Ac
AgraStrip® BR SeedChek	7803000	CP4 EPSPS, Bt-Cry1Ac
AgraStrip® BR Comb SeedChek	7803100	CP4 EPSPS, Bt-Cry1Ac
AgraStrip® LL Comb SeedChek	7804100	PAT
AgraStrip® B2R SeedChek	7805000	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac
AgraStrip® B2R Comb SeedChek	7805100	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry1Ac
AgraStrip® Triple Trait Comb SeedChek	7806100	CP4 EPSPS, Bt-Cry1Ab, Bt-Cry3Bb

Romer Labs[®] GMO ELISA Products



Product	Item No.	Protein detected	Range
AgraQuant [®] Cry1F SeedChek	7020000	Bt-Cry1F	n/a
AgraQuant [®] EPSPS SeedtChek	7020100	CP4 EPSPS	n/a
AgraQuant [®] Vip3A SeedChek	7020105	Vip3A	n/a
AgraQuant [®] DAS Cry1Ac SeedChek	7140220	Bt-Cry1Ac	n/a
AgraQuant [®] Soya Toasted Meal GMOChek	7099999*	CP4 EPSPS	0.3 - 2.5 %
AgraQuant [®] RUR Soya Grain GMOChek	7100000*	CP4 EPSPS	0.3 - 2.5 %
AgraQuant [®] Cry1Ab Maize GMOChek	7110000	Bt-Cry1Ab	0.15 - 2.0 %
AgraQuant [®] Cry9C Maize GMOChek	7110030	Bt-Cry9C	0.0075 - 0.10 %

* when ordered, ONE set of the following standards is included. Please indicate.

RUR Soya Standards - Full Fat Flour (good for flour, meal, and grit)	Item No. 7100001
RUR Soya Standards - Defatted Flour	Item No. 7100002
RUR Soya Standards - Protein Isolate	Item No. 7100004