

GIPSA Performance Verified Rapid Test Kits for Analysis of Mycotoxins

The following table reflects kits that were submitted to GIPSA by kit manufacturers. Kit performance as claimed by the manufacturer was verified by GIPSA.

Company	Test Kit	Part Number	Test Type	Test Kit Range	Test Format	Identified Commodities
Beacon Analytical Services, Inc.	Aflatoxin Plate Kit	20-0017	Aflatoxin (quantitative)	5 - 100 ppb	Microtiter Well Plate Assay	Corn
Beacon Analytical Services, Inc.	Aflatoxin Tube Kit	MTT-002	Aflatoxin (quantitative)	5 - 100 ppb	ELISA Based Antibody Coated Tubes	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin P/N 20 ppb	LF-AFPN	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin P/N 10 ppb	LF-AFPN	Aflatoxin (qualitative)	Screens @ 10 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® FAST Aflatoxin (Quantitative)	LF-FASTAFQ	Aflatoxin (quantitative)	5 - 100 ppb	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative)	LF-AFQ	Aflatoxin (quantitative)	5 - 100 ppb	Lateral Flow Strip	Corn, Corn Flour, Corn Germ Meal, Corn Gluten Meal, Corn Meal, Corn Screenings, Corn Soy Blend, Cracked Corn, Flaking Corn Grits, Distillers Dried Grains, Distillers Dried Grains w/Solubles, Milled Rice, Oats, Popcorn, Rough Rice, Rye, Sorghum, Soybeans, Wheat
Charm Sciences, Inc.	ROSA® DON P/N 0.5 ppm	LF-DONPN	DON (qualitative)	0.5 ppm	Lateral Flow Strip	Wheat
Charm Sciences, Inc.	ROSA® Fumonisin (Quantitative)	LF-FUMQ	Fumonisin (quantitative)	0.5 - 5 ppm	Lateral Flow Strip	Corn
Charm Sciences, Inc.	ROSA® DON (Quantitative)	LF-DONQ	DON (quantitative)	0.5 - 5 ppm	Lateral Flow Strip	Barley, Corn, Malted Barley, Milled Rice, Oats, Rough Rice, Sorghum, Wheat, Wheat Flour, Wheat Midds
Charm Sciences, Inc.	ROSA® Ochratoxin (Quantitative)	LF-OCHRA-G	Ochratoxin (quantitative)	5 - 100 ppb	Lateral Flow Strip	Wheat, Barley, Malted Barley
Charm Sciences, Inc.	ROSA® Zearalenone (Quantitative)	LF-ZEARQ	Zearalenone (quantitative)	50 - 1000 ppb	Lateral Flow Strip	Barley, Corn, Distillers Dried Grains w/ Solubles, Flaking Corn Grits, Milled Rice, Oats, Rough Rice, Sorghum, Wheat, Wheat Flour
Diachemix, LLC	Aflatoxin FPA	61545	Aflatoxin (qualitative)	Screens @ 20 ppb	Fluorescence Polarization	Corn
Diachemix, LLC	DON FPA	61530	DON (qualitative)	1 ppm	Fluorescence Polarization	Wheat
Diachemix, LLC	Fumonisin FPA	61550	Fumonisin (qualitative)	1 ppm	Fluorescence Polarization	Corn
Diagnostix Limited	EZ-Quant Plate Kit	600312	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Corn
Diagnostix Limited	EZ-Tox DON	600120-DON	DON (quantitative)	0.5 - 5 ppm	Rapid Enzyme Immunoassay	Wheat, Barley, Malted Barley, Corn, Rice, Wheat Flour
Diagnostix Limited	EZ-Tox DON Single Test	600125-DON	DON (quantitative)	0.5 - 5 ppm	Rapid Enzyme Immunoassay	Wheat, Barley, Malted Barley, Corn, Unbleached Flour
EnviroLogix, Inc.	QuickTox™ Kit for Aflatoxin in Corn	AS 101 BG	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
EnviroLogix, Inc.	QuickTox™ Kit for Aflatoxin - 10 ppb Bulk Grain	AS 109 BG	Aflatoxin (qualitative)	Screens @ 10 ppb	Lateral Flow Strip	Corn
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 104 BG	DON (qualitative)	Screens @ 2 ppm	Lateral Flow Strip	Wheat, Corn
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 204 BG	DON (qualitative)	Screens @ 2 ppm	Lateral Flow Strip	Wheat, Corn
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 104 BG	DON (qualitative)	Screens @ 1 ppm	Lateral Flow Strip	Wheat, Barley
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 204 BG	DON (qualitative)	Screens @ 1 ppm	Lateral Flow Strip	Wheat, Barley
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 104 BG	DON (qualitative)	Screens @ 0.5 ppm	Lateral Flow Strip	Barley
EnviroLogix, Inc.	QuickTox™ Kit for DON 2 ppm Bulk Grain	AS 204 BG	DON (qualitative)	Screens @ 0.5 ppm	Lateral Flow Strip	Barley
Euro-Diagnostica BV	Aflatoxin B1 Flow-Through Assay	5127AFB01	Aflatoxin B1 (qualitative)	Screens @ 2 ppb (B1)	Flow-Through Rapid Test	Corn
Helica Biosystems, Inc.	Ochratoxin A Assay	9510CH01G	Ochratoxin (quantitative)	5 - 100 ppb	Rapid Enzyme Immunoassay	Wheat
Neogen Corporation	Agriscreeen	8010	Aflatoxin (qualitative)	Screens @ 20 ppb	Microtiter Well Plate Assay	Corn
Neogen Corporation	Reveal for Aflatoxin (EtOH)	8015	Aflatoxin (qualitative) EtOH	Screens @ 20 ppb	Lateral Flow Strip	Corn
Neogen Corporation	Reveal for Aflatoxin (MeOH)	8015	Aflatoxin (qualitative) MeOH	Screens @ 20 ppb	Lateral Flow Strip	Corn
Neogen Corporation	Reveal for Aflatoxin SQ	8020	Aflatoxin (qualitative)	Screens @ 10 ppb	Lateral Flow Strip	Corn
Neogen Corporation	Veratox-AST Aflatoxin Single Test	8041N	Aflatoxin (quantitative)	5 - 100 ppb	Microtiter Well Plate Assay	Corn, Corn Germ Meal, Corn Gluten Meal, Corn Meal, Corn/Soy Blend, Cottonseed, Milled Rice, Popcorn, Rice Bran, Sorghum, Soybean Meal, Wheat
Neogen Corporation	Neocolumn for Aflatoxin DR	8047	Aflatoxin (quantitative)	5 - 100 ppb	Affinity Column Immunoassay	Corn, Corn Soy Blend, Milled Rice, Rough Rice, Rice Bran
Neogen Corporation	Veratox Aflatoxin	8030	Aflatoxin (quantitative)	5 - 50 ppb	Microtiter Well Plate Assay	Corn, Corn Gluten Meal, Corn Meal, Corn Soy Blend, Cottonseed, Distillers Dried Grains w/ Solubles (DDGS), Milled Rice, Popcorn, Rice Bran, Sorghum, Soybeans, Wheat
Neogen Corporation	Agriscreeen DON	8310	DON (qualitative)	Screens @ 1.0 ppm	Microtiter Well Plate Assay	Barley, Corn, Oats, Wheat, Malted Barley
Neogen Corporation	Reveal for DON	8315	DON (qualitative)	Screens @ 2.0 ppm	Lateral Flow Strip	Wheat
Neogen Corporation	Veratox DON 5/5	8331	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Oats, Corn, Rice, Wheat Germ, Wheat Flour, Wheat Midds, Sorghum
Neogen Corporation	Veratox DON 2/3	8335	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Corn, Oats, Wheat Germ, Wheat Flour, Wheat Midds, Sorghum
Neogen Corporation	Veratox DON DST	8333	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Malted Barley, Corn, Oats, Rice
Neogen Corporation	Veratox Fumonisin	8830	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Popcorn, Rough Rice, Corn/Soy Blend, Wheat
R-Biopharm	RidaQuick Aflatoxin	R503C	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
R-Biopharm	Ridascreen FAST SC	R9002	Aflatoxin (quantitative)	5 - 100 ppb	Microtiter Well Plate Assay	Corn, Corn Bran, Corn Flour, Corn Germ Meal, Corn Gluten Meal, Corn Screenings, Corn Soy Blend, Cracked Corn, Flaking Corn Grits, Distillers Dried Grains, Distillers Dried Grains w/Solubles, Oats, Popcorn, Milled Rice, Rough Rice, Brown Rice, Rye, Soybeans, Sorghum, Wheat
R-Biopharm	Ridascreen FAST	R5901 (96 wells) R5902 (48 wells)	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat
R-Biopharm	Ridascreen FAST SC	R5905	DON (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Wheat, Barley, Corn, Malted Barley, Oats
R-Biopharm	Ridascreen FAST	R5602	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Sorghum, Corn Gluten Meal, Corn Germ Meal, Corn/Soy Blend
R-Biopharm	Ridascreen FAST SC	R5505	Zearalenone (quantitative)	50 - 1000 ppb	Microtiter Well Plate Assay	Corn, Wheat

Romer	AgraStrip	COKAS1200	Aflatoxin (qualitative)	Screens @ 10 ppb	ELISA Based Antibody Coated Tubes	Wheat, Barley, Malted Barley, Corn, Rice, Wheat Flour, Wheat Midds
Romer	AgraStrip	COKAS1000	Aflatoxin (qualitative)	Screens @ 20 ppb	ELISA Based Antibody Coated Tubes	Wheat, Barley, Malted Barley, Corn, Rice, Wheat Flour, Wheat Midds
Romer	FluoroQuant Afla (FQ Afla)	COKFA1010	Aflatoxin (quantitative)	5 - 100 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Corn/Soy Blend, Milled Rice, Popcorn, Sorghum, Soybeans, Wheat
Romer	FluoroQuant Afla IAC (FQ Afla)	COKFA4010	Aflatoxin (quantitative)	5 - 100 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Screenings, Distillers Dried Grains w/Solubles
Romer	AccuTox	COKAD1014	DON (quantitative)	0.5 - 5 ppm	ELISA Based Antibody Coated Tubes	Wheat, Barley, Malted Barley, Corn, Rice, Wheat Flour, Wheat Midds
Romer	AgraQuant DON Assay (0.25/5.0)	COKAQ4000	DON (quantitative)	0.5 - 5 ppm	ELISA Based Antibody Coated Tubes	Wheat, Barley, Malted Barley, Corn, Oats, Rice, Wheat Flour
Romer	AgraQuant Total Fumonisin Assay	COKAQ3000	Fumonisin (quantitative)	0.5 - 5 ppm	Direct Competitive ELISA	Corn, Corn Meal, Distillers Dried Grain w/Solubles (DDGS) Popcorn, Rice, Sorghum, Wheat
Strategic Diagnostics, Inc.	Mycov	7000127	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Strategic Diagnostics, Inc.	Mycov	7000130	Fumonisin (quantitative)	0.5 - 5 ppm	Microtiter Well Plate Assay	Corn, Corn Meal, Corn Germ Meal
Vicam	AflaCheck	100000173	Aflatoxin (qualitative)	Screens @ 20 ppb	Lateral Flow Strip	Corn
Vicam	Aflatest	12022	Aflatoxin (quantitative)	5 - 100 ppb	Immunoaffinity Column	Corn, Condensed Distillers Solubles, Corn Bran, Corn Flour, Corn Germ Meal, Corn Gluten Feed, Corn Gluten Meal, Corn Meal, Corn Soy Blend, Distillers Dried Grains, Distillers Dried Grains w/ Solubles, Flaking Corn Grits, Milled Rice, Brown Rice, Rice Bran, Rough Rice, Popcorn, Sorghum, Soybeans, Wheat
Vicam	FumonTest	G1029	Fumonisin (quantitative)	0.5 - 5 ppm	Rapid, Fluorometric, Solid Phase Cleanup	Corn, Corn Meal, Corn Soy Blend, Corn Germ Meal, Sorghum, Popcorn, Flaking Corn Grits
Vicam	OchraTest	G1029 or 13012	Ochratoxin (quantitative)	5 - 100 ppb	Rapid, Fluorometric, Solid Phase Cleanup	Wheat

GIPSA Performance Verified Rapid Test Kits for Analysis of Biotechnology Derived Grains

The following table reflects kits that were submitted to GIPSA by kit manufacturers. Kit Performance as claimed by the manufacturer was verified by GIPSA.

Company	Test Kit	Part Number	Event/Protein Analyte	Test Sensitivity	Test Format
Agdia, Inc.	Roundup Ready (CP4 EPSPS) ImmunoStrip™ Test	STX 74000	Roundup Ready Protein CP4 EPSPS	1 in 1000 corn kernels	Lateral Flow Strip
Agdia, Inc.	Roundup Ready (CP4 EPSPS) ImmunoStrip™ Test	STX 74000	Roundup Ready Protein CP4 EPSPS	1 in 1000 soybeans	Lateral Flow Strip
Agdia, Inc.	Bt-Cry1F ImmunoStrip™ Test (Herculex)	STX 10301	Bt-Cry1F/ Herculex	1 in 200 corn kernels	Lateral Flow Strip
Agdia, Inc.	Bt-Cry34Ab1 ImmunoStrip™ Test	STX 04500	Bt-Cry34Ab1/ Herculex RW	1 in 800 corn kernels	Lateral Flow Strip
Agdia, Inc.	mBt-Cry3A ImmunoStrip™ Test (MIR604)	STX 06711 or STX 06703	mBt-Cry3A (MIR604)	1 in 300 corn kernels	Lateral Flow Strip
Artron BioResearch	GeneTrue Kit for CP4 EPSPS	A07-05-413	Roundup Ready Protein CP4 EPSPS	1 in 1000 corn kernels 1 in 1000 soybeans	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Strips for Cry9C (StarLink)	AS 008 BG	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Strips for Cry1F (Herculex)	AS 016 BG	Cry1F/Herculex	1 in 200 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Amylase Corn 1%	AS 070 BG	Event 3272 Amylase	1 in 100 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for LibertyLink® Rice	AS 013 RB	LibertyLink® (Event LL601RICE expressing the PAT Protein)	1 rough rice kernel in 75 rough rice kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for LibertyLink® Bulk Soybeans	AS 014 BGB	LibertyLink® (Event 27)	1 in 200 soybeans	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for YieldGard® Rootworm Corn Bulk Grain	AS 015 BG	Cry3Bb/Rootworm	1 in 200 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for mCry3A (Agrisure™ RW)	AS 037 BG	mCry3A/Agrisure™ RW	6 in 800 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for Cry34 (Herculex™ RW)	AS 054 BG	Cry34/Herculex™ RW	1 in 200 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for eCry3.1Ab (Event 5307)	AS 070 BG	eCry3.1Ab (Event 5307)	1 in 100 corn kernels	Lateral Flow Strip
EnviroLogix Inc.	QuickStix™ Kit for Roundup Ready® Bulk Soybeans	AS 0103 BGB or AS065BGBR	Roundup Ready Protein CP4 EPSPS	1 in 1000 soybeans	Lateral Flow Strip
Neogen Corporation	Reveal® for CP4 (Roundup Ready®)	8005	Roundup Ready Protein CP4 EPSPS	1 in 800 corn kernels 1 in 1000 soybeans	Lateral Flow Strip
Romer	AgraStrip GMO RR Test	COKAS7010	Roundup Ready Protein CP4 EPSPS	1 in 1000 corn kernels 1 in 1000 soybeans	Lateral Flow Strip
Strategic Diagnostics, Inc.	Trait™ LL Bulk Rice Test Kit	7000048	LibertyLink® (Event LL601RICE expressing the PAT Protein)	1 rough rice kernel in 50 rough rice kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Trait™ Cry9C Corn Grain Test Kit	7000012/7000013	StarLink/Cry9C	1 in 800 corn kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Trait™ Cry34Ab1 Test Kit	7000055	Cry34Ab1/ Herculex RW	1 in 800 corn kernels	Lateral Flow Strip
Strategic Diagnostics, Inc.	Trait™ Vip3A Test Kit (MIR162)	3000093	Vip3A (MIR162)	1 in 300 corn kernels	Lateral Flow Strip

Test Kit Specified Readers

Company	Test Kit	Type of Test	Type of Reader	Specified Reader(s)
Charm Sciences, Inc.	ROSA® Aflatoxin (Quantitative and Qualitative)	Aflatoxin	Reflectance Based	ROSA-M
Diachemix	Aflatoxin FPA	Aflatoxin	Fluorescence Polarization Reader	Sentry™ 100 FP
EnviroLogix	QuickTox	Aflatoxin	LFS Scanner	Plustek Inc. Scanner
Neogen	Veratox-AST	Aflatoxin	Microwell Reader	BioTek EL 301, Stat-Fax Model 321 Plus
Neogen	Neocolumn for Aflatoxin DR	Aflatoxin	Fluorometer	Vicam Series IV, and Neogen DRF-2100
Romer	FluoroQuant Afla (FQ Afla)	Aflatoxin	Fluorometer	Romer RL-100, Romer FQ Reader (EQFFM3000)
Strategic Diagnostics	Mycoví Aflatoxin	Aflatoxin	Microwell Reader	Hyperion Microreader 3 Model 4027-002
Vicam	Aflatest	Aflatoxin	Fluorometer	Vicam Series IV, and Vicam Model MF-2000
Vicam	Aflatest-P	Aflatoxin	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, and Vicam Model MF-2000
Charm Sciences, Inc.	ROSA® DON (Qualitative)	DON	Reflectance Based	ROSA-M
Diagnostix	EZ-Quant DON	DON	Microwell Reader	BioTek EL 301
Diagnostix	EZ-Quant 0.5 ppm DON	DON	Microwell Reader	BioTek EL 301
Diagnostix	EZ-Tox DON	DON	Microwell Reader	BioTek ELx808
Romer	DON Fluoroquant	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Romer	DON Accutox	DON	Spectrophotometer	Hach
Vicam	DON FQ	DON	Fluorometer	Romer RL-100, Vicam Series III, Vicam Series IV, Torbex 100, and Vicam FX-100
Neogen	AgriScreen	DON	Microwell Reader	Bio Tek EL 301
Neogen	Vomitoxin Veratox	DON	Microwell Reader	Bio Tek EL 301
Neogen	Veratox DON 5/5	DON	Microwell Reader	Stat-Fax Model 321 PLUS and BioTek EL301
Neogen	Veratox DON DST	DON	Microwell Reader	Stat-Fax Model 321 PLUS
Strategic Diagnostics	Mycoví Don	DON	Microwell Reader	Hyperion Microreader 3 Model 4027-002
R-Biopharm	Ridascreen Fast DON	DON	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Neogen	Veratox Quantitative Fumonisin	Fumonisin	Microwell Reader	Stat-Fax Model 321 PLUS
R-Biopharm	Ridascreen Fast Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002, Stat-Fax Model 303 PLUS
Strategic Diagnostics	Mycoví Fumonisin	Fumonisin	Microwell Reader	BioTek EL 301, Hyperion Microreader 3 Model 4027-002