

Charm
EZ[®]-M



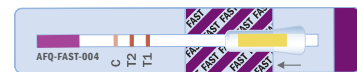
Charm[®] ROSA[®] Lateral Flow Mycotoxin Tests

Rapid Mycotoxin Testing in Feed & Grain

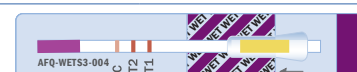
**CHARM**
SCIENCES INC
NOTHING WORKS LIKE A CHARM

Extraction Solvent	Incubation Time	Approval	Commodities			
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FAST Aflatoxin Quantitative Test			Quantitation Ranges: 5 to 30 ppb, 20 to 100 ppb, 50 to 300 ppb			
70% Methanol	3 Min	FGIS [†]	Corn			
70% Methanol	5 Min	FGIS [†]	Barley Brown Rice Corn Germ Meal Corn Gluten Meal Corn/Soy Blend DDG	DDGS Hominy Millet Oats Oat Groats Popcorn	Rough Rice Rye Sorghum Soybean Hulls Soybean Meal Soybeans	Wheat
		Charm [‡]	Barley/Oat Groats Blend Beet Pulp Corn Bran	Flax Seed Ginger Root Milled Rice	Parboiled Rice Pearled Barley Prebooked Corn Meal	Rice Hulls Rice Starch Soybean Mill Run
84% Acetonitrile	5 Min	Charm [‡]	Copra Meal Corn Gluten Feed Corn Silage Cottonseed Hulls	Cottonseed Meal Green Peas/Yellow Peas Palm Kernel Meal Peanut Hulls	Peanut Meal Pregelatinized Rice Starch Rice Bran Rice Protein Concentrate	Whole Cottonseed Whole Cottonseed (delinted)
21% Acetonitrile/52.5% Methanol	5 Min	Charm [‡]	Oat Fiber	Oat Fiber, Fruit, and Vegetable Blend	Soy Protein Isolate	



WET[®]-S3 Aflatoxin Quantitative Test			Quantitation Ranges: 5 to 100 ppb, 50 to 300 ppb			
Water Extraction Technology	3 Min	FGIS [†]	Corn			



WET-S5 Aflatoxin Quantitative Test			Quantitation Ranges: 5 to 100 ppb, 50 to 300 ppb			
Water Extraction Technology	5 Min	FGIS [†]	Barley Brown Rice Corn	DDG DDGS Hominy	Sorghum Soybeans Wheat	



FAST5 DON Quantitative Test			Quantitation Ranges: 0.5 to 1.5 ppm, 1 to 5.4 ppm, > 5 ppm			
Deionized or Distilled Water	5 Min	Charm [‡]	Barley Beet Pulp Brewer's Rice Brown Rice Buckwheat Corn Corn Bran Corn Germ Meal Corn Gluten Feed Corn Gluten Meal Corn Starch	DDGS Ginger Root High Amylose Corn Starch Hominy Malted Barley Milled Rice Oats Oat Fiber Oat Fiber, Fruit, and Vegetable Blend Oat Groats	Palm Kernel Meal Rapeseed Meal Rice Bran Rice Starch Rough Rice Rye Sorghum Soybean Meal Soybeans Triticale Wheat	Wheat Bran Wheat Flour Wheat Midds Wheat Red Dog Wheat Screenings



DONQ2 Quantitative Test			Quantitation Ranges: 0.5 to 5.4 ppm, 4 to 30 ppm			
Deionized or Distilled Water	2 Min	FGIS [†]	Barley Brown Rice Buckwheat Corn Corn Bran Corn Germ Meal	Corn Gluten Feed Corn Gluten Meal DDGS Hominy Malted Barley Milled Rice	Oats Rice Bran Rough Rice Rye Sorghum Soybean Meal	Triticale Wheat Wheat Bran
		Charm [‡]	Palm Kernel Meal	Pearled Barley	Popcorn	Rapeseed Meal



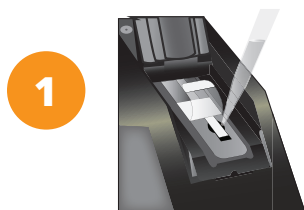


Extraction Solvent		Incubation Time	Approval	Commodities				
WET-S5 DON Quantitative Test				Quantitation Ranges: 0.5 to 5.4 ppm, 4 to 30 ppm				
Water Extraction Technology	5 Min	Charm [†]	Barley	Corn	Wheat			
FAST5 Fumonisin Quantitative Test				Quantitation Ranges: 0.5 to 1.5 ppm, 1 to 5.4 ppm, 5 to 25 ppm				
70% Methanol	5 Min	Charm [†]	Barley Barley/Oat Groats Blend Beet Pulp Brown Rice Corn Corn Germ Meal	Corn Gluten Meal Corn Starch DDGS Flaking Corn Grits Ginger Root High Amylose Corn Starch	Millet Oat Fiber Oat Fiber, Fruit, and Vegetable Blend Oat Groats Precooked Corn Meal	Rough Rice Sorghum Wheat		
WET-S5 Fumonisin Quantitative Test				Quantitation Ranges: 0.5 to 5.4 ppm, 4 to 40 ppm, > 40 ppm (Corn Only)				
Water Extraction Technology	5 Min	FGIS [†]	Corn Corn Germ Meal	DDGS Oats	Popcorn Sorghum	Wheat		
		Charm [†]	Barley	Corn Gluten Feed	Millet	Rough Rice		
Ochratoxin Quantitative Test (Ochratoxin A)				Quantitation Ranges: 5 to 30 ppb, 20 to 100 ppb				
70% Methanol	10 Min	FGIS [†]	Barley Buckwheat Corn	Corn Gluten Meal Malted Barley Oat Groats	Rye Sorghum Soybean Meal	Soybeans Wheat		
		Charm [†]	Barley/Oat Groats Blend Beet Pulp Brewer's Rice Brown Rice	Ginger Root Oat Fiber Oat Fiber, Fruit, and Vegetable Blend	Rice Rice Protein Concentrate Wheat Bran			
60% Acetonitrile	10 Min	Charm [†]	Flax Seed	Soybean Mill Run				
T2/HT2 Quantitative Test				Quantitation Ranges: 25 to 200 ppb, 100 to 2000 ppb				
70% Methanol	10 Min	Charm [†]	Barley Corn	Corn Gluten Meal Oat Groats	Sorghum Soybean Meal	Wheat Wheat Flour		
FAST5 Zearalenone Quantitative Test				Quantitation Ranges: 50 to 350 ppb, 300 to 1000 ppb (400 to 1500 ppb and 800 to 3000 ppb for Corn Gluten Meal)				
70% Methanol	5 Min	Charm [†]	Barley Barley/Oat Groats Blend Beet Pulp Brewer's Rice Brown Rice Corn Corn Gluten Meal Corn Starch	DDGS Flaking Corn Grits Ginger Root High Amylose Corn Starch Milled Rice Oat Fiber Oat Fiber, Fruit, and Vegetable Blend	Oat Groats Parboiled Rice Popcorn Rice Rice Starch Rough Rice Rye Sorghum	Soybean Meal Soybean Mill Run Wheat Wheat Bran Wheat Flour		
			84% Acetonitrile	5 Min	Charm [†]	Flax Seed	Rice Protein Concentrate	Soy Protein Isolate
WET-S5 Zearalenone Quantitative Test				Quantitation Range: 50 to 1000 ppb				
Water Extraction Technology	5 Min	FGIS [†]	Barley Corn	DDGS Sorghum	Wheat			

[†] USDA's Federal Grain Inspection Service.

[‡] In-house validation. Charm Sciences regularly qualifies new commodities to best fit our customer's needs. Please contact Charm Sciences for the most updated list of approved commodities.

Test Names	Order Codes
FAST Aflatoxin Quantitative Test	LF-AFQ-FAST-20K LF-AFQ-FAST-100K LF-AFQ-FAST-500K
WET-S3 Aflatoxin Quantitative Test	LF-AFQ-WETS3-20K LF-AFQ-WETS3-100K LF-AFQ-WETS3--500K
WET-S5 Aflatoxin Quantitative Test	LF-AFQ-WETS5-20K LF-AFQ-WETS5-100K LF-AFQ-WETS5-500K
FAST5 DON Quantitative Test	LF-DONQ-FAST5-20K LF-DONQ-FAST5-100K LF-DONQ-FAST5-500K
DONQ2 Quantitative Test	LF-DONQ2-20K LF-DONQ2-100K LF-DONQ2-500K
WET-S5 DON Quantitative Test	LF-DONQ-WETS5-20K LF-DONQ-WETS5-100K LF-DONQ-WETS5-500K
FAST5 Fumonisin Quantitative Test	LF-FUMQ-FAST5-20K LF-FUMQ-FAST5-100K LF-FUMQ-FAST5-500K
WET-S5 Fumonisin Quantitative Test	LF-FUMQ-WETS5-20K LF-FUMQ-WETS5-100K LF-FUMQ-WETS5-500K
Ochratoxin Quantitative Test (Ochratoxin A)	LF-OCHRAQ-G-20K LF-OCHRAQ-G-100K LF-OCHRAQ-G-500K
T2/HT2 Quantitative Test	LF-T2-HT2-20K LF-T2-HT2-100K LF-T2-HT2-500K
FAST5 Zearalenone Quantitative Test	LF-ZEARQ-FAST5-20K LF-ZEARQ-FAST5-100K LF-ZEARQ-FAST5-500K
WET-S5 Zearalenone Quantitative Test	LF-ZEARQ-WETS5-20K LF-ZEARQ-WETS5-100K LF-ZEARQ-WETS5-500K



1

Add sample.



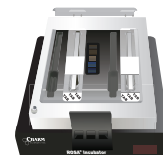
2

Close door to incubate/read.



3

Results in seconds/minutes.



Incubate multiple strips simultaneously, then read results on the Charm EZ-M system.