



Charm[®] ROSA[®] (Rapid One Step Assay) Lateral Flow Mycotoxin Tests

A QUICK REVIEW



Charm ROSA Quantitative Tests

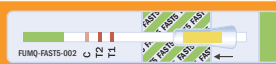
Extraction Solvent	Incubation Time	Approval	Commodities			
FAST Aflatoxin Quantitative Test			Quantitation Range: 0-30 ppb, 20-150 ppb, > 100 ppb			
70% Methanol	3 Min	GIPSA [†]	Corn			
70% Methanol	5 Min	GIPSA [†]	Barley Basmati Rice Brewer's Rice Brown Rice Corn Flour Corn Germ Meal	Corn Gluten Meal Corn Meal Corn Screenings Corn/Soy Blend DDG DDGS	Flaking Corn Grits Hominy Milled Rice Millet Oats Popcorn	Rough Rice Rye Sorghum Soybeans Wheat Wheat Flour
		Charm [‡]	Soybean Hulls	Soybean Meal		
84% Acetonitrile	5 Min	Charm [‡]	Copra Meal Corn Gluten Feed Corn Silage	Cottonseed Hulls Cottonseed Meal Palm Kernel Meal	Peanut Hulls Peanut Meal Whole Cottonseed	
Aflatoxin Quantitative Test - Ethanol Extraction			Quantitation Range: 0-150 ppb			
50% Ethanol	10 Min	Charm [‡]	Barley Brewer's Rice Corn Corn Bran Corn Flour Corn Germ Meal Corn Gluten Meal Corn Meal	Cottonseed Hulls Cottonseed Meal DDGS Extruded Corn Extruded Rice Extruded Soybeans Hominy Mash	Milled Rice Oats Peanut Hulls Rice Bran Rice Bran (hi-fat) Rice Hulls Sorghum Soybean Hulls	Soybean Meal Sunflower Meal Wheat Wheat Bran Wheat Flour Wheat Midds Wheat Red Dog
WET [®] - S5 Aflatoxin Quantitative Test			Quantitation Range: 0-150 ppb, 50-1000 ppb			
Water Extraction Technology	5 Min	GIPSA [†]	Barley Corn Corn Flour Corn Grits	Corn Meal Corn Screenings Corn/Soy Blend DDGS	Hominy Oats Rough Rice Sorghum	Soybeans Wheat
FAST5 DON Quantitative Test			Quantitation Range: 0-1.5 ppm, 1-6 ppm, > 5 ppm			
Deionized or Distilled Water	5 Min	GIPSA [†]	Barley Corn DDGS Malted Barley	Milled Rice Oats Rough Rice Sorghum	Wheat Wheat Bran Wheat Flour Wheat Midds	
		Charm [‡]	Brewer's Rice Buckwheat Corn Bran Corn Germ Meal	Corn Gluten Feed Corn Gluten Meal Hominy Palm Kernel Meal	Rapeseed Meal Rice Bran Rye Soybean Meal	Triticale Wheat Red Dog Wheat Screenings
DONQ2 Quantitative Test			Quantitation Range: 0-6 ppm, 2-25 ppm, 5-60 ppm			
Deionized or Distilled Water	2 Min	Charm [‡]	Barley Brewer's Rice Buckwheat Corn Corn Bran Corn Germ Meal Corn Gluten Feed	Corn Gluten Meal DDGS Hominy Malted Barley Milled Rice Oats Palm Kernel Meal	Rapeseed Meal Rice Bran Rough Rice Rye Sorghum Soybean Meal Triticale	Wheat Wheat Bran Wheat Flour Wheat Midds Wheat Red Dog Wheat Screenings
WET [®] DON Quantitative Test			Quantitation Range: 0-1.5 ppm, 0.5-6 ppm			
Water Extraction Technology	5 Min	Charm [‡]	Barley	Corn	Wheat	

[†] USDA's Grain Inspection, Packers & Stockyards Administration.

[‡] 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.

Charm ROSA Quantitative Tests

Extraction Solvent	Incubation Time	Approval	Commodities			
FAST5 Fumonisin Quantitative Test			Quantitation Range: 0-1.5 ppm, 1-6 ppm, > 5 ppm			
70% Methanol	5 Min	GIPSA [†]	Barley Corn	Flaking Corn Grits Millet	Oats Rough Rice	Sorghum Wheat
		Charm [‡]	Corn Gluten Meal	DDGS		
Fumonisin Quantitative Test - Ethanol Extraction			Quantitation Range: 0-1 ppm, 0-6 ppm, 6-60 ppm			
50% Ethanol	10 Min	Charm [‡]	Barley Corn	DDGS Hominy	Oats Sorghum	Soybean Meal
WET® Fumonisin Quantitative Test			Quantitation Range: 0-1.5 ppm, 1-6 ppm, > 5 ppm			
Water Extraction Technology	5 Min	GIPSA [†]	Barley Corn	Millet Oats	Popcorn Rough Rice	Sorghum Wheat
Ochratoxin Quantitative Test (Ochratoxin A)			Quantitation Range: 0-30 ppb, 20-150 ppb			
70% Methanol	10 Min	GIPSA [†]	Barley Corn Corn Gluten Meal	Malted Barley Oats Rye	Sorghum Soybean Meal Wheat	
		Charm [‡]	Buckwheat	Rice		
T2/HT2 Quantitative Test			Quantitation Range: 0-250 ppb, 100–2500 ppb			
70% Methanol	10 Min	Charm [‡]	Barley Corn	Corn Gluten Meal Oats	Sorghum Soybean Meal	Wheat Wheat Flour
Zearalenone Quantitative Test			Quantitation Range: 0–1400 ppb			
70% Methanol	10 Min	GIPSA [†]	Barley Corn DDGS	Flaking Corn Grits Milled Rice Oats	Rough Rice Sorghum Wheat	Wheat Flour
Zearalenone Quantitative Test - Ethanol Extraction			Quantitation Range: 0–1400 ppb			
50% Ethanol	10 Min	Charm [‡]	Barley Corn Corn Gluten Meal Corn Meal	DDGS Milled Rice Palm Kernel Meal Rice Bran	Rice Bran (hi-fat) Sorghum Soybean Meal Wheat	Wheat Bran Wheat Flour Wheat Midds Wheat Red Dog
FAST5 Zearalenone Quantitative Test			Quantitation Range: 0-350 ppb, 300-1400 ppb			
70% Methanol	5 Min	GIPSA [†]	Barley Brewer's Rice Corn	DDGS Flaking Corn Grits Milled Rice	Oats Rough Rice Sorghum	Wheat Wheat Bran Wheat Flour
		Charm [‡]	Rice			
WET® Zearalenone Quantitative Test			Quantitation Range: 0-500 ppb, 250-1500 ppb			
Water Extraction Technology	5 Min	Charm [‡]	Barley Corn	Corn Gluten Meal DDGS	Wheat Wheat Flour	



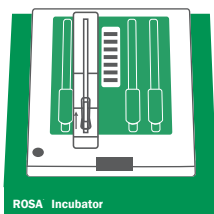
Charm ROSA Qualitative (Positive/Negative) Tests

Extraction Solvent	Incubation Time	Visual Option	Threshold	Approval	Commodities
Aflatoxin P/N Test					
50% Ethanol	3 Min	NO	10 ppb	GIPSA[†]	Corn
50% Ethanol	3 Min	YES	20 ppb	GIPSA[†]	Corn
70% Methanol	3 Min	NO	10 ppb	Charm[‡]	Corn
70% Methanol	3 Min	YES	20 ppb	Charm[‡]	Corn

Simple Procedure



Add Sample



Incubate



Read



Or combine all 3 steps
using the Charm EZ[®]-M



659 Andover Street, Lawrence, MA 01843-1032, USA
T +1.978.687.9200 | **F** +1.978.687.9216 | **E** info@charm.com | **www.charm.com**

© 2014 Charm Sciences, Inc. Charm, Charm EZ, ROSA and WET are registered trademarks, and test strip product packaging is trade dress, of Charm Sciences, Inc.

MRK-102-018 0914