






## **Charm<sup>®</sup> ROSA<sup>®</sup> (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 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	Popcorn Rough Rice Rye Sorghum Soybean Hulls	Soybean Meal Soybeans Wheat	
		Charm‡	Milled Rice				
84% Acetonitrile	5 Min	Charm‡	Copra Meal Corn Gluten Feed Corn Silage	Cottonseed Hulls Cottonseed Meal Palm Kernel Meal	Peanut Hulls Peanut Meal Rice Bran	Whole Cottonseed	






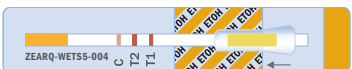
WET®-S3 Aflatoxin Quantitative Test			Quantitation Ranges: 5 to 100 ppb, 50 to 300 ppb				
Water Extraction Technology	3 Min	FGIS†	Corn				

WET®-S5 Aflatoxin Quantitative Test			Quantitation Ranges: 5 to 100 ppb, 50 to 300 ppb				
Water Extraction Technology	5 Min	FGIS†	Corn DDGS	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 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	

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	Rapeseed Meal			

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		

Extraction Solvent		Incubation Time	Approval	Commodities		
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 Corn Corn Germ Meal	Corn Gluten Meal DDGS Flaking Corn Grits	Millet Oats 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†	Rice			
T2/HT2 Quantitative Test			Quantitation Ranges: 25 to 200 ppb, 100 to 2000 ppb			
70% Methanol	10 Min	Charm†	Barley Corn	Corn Gluten Meal Oats	Sorghum Soybean Meal	Wheat Wheat Flour
FAST5 Zearalenone Quantitative Test			Quantitation Ranges: 100 to 350 ppb (50 to 350 ppb for wheat bran), 300 to 1000 ppb			
70% Methanol	5 Min	Charm†	Barley Brewer's Rice Corn DDGS	Flaking Corn Grits Milled Rice Oats Rice	Rough Rice Rye Sorghum Soybean Meal	Wheat Wheat Bran Wheat Flour
WET-S5 Zearalenone Quantitative Test			Quantitation Ranges: 100 to 1000 ppb			
Water Extraction Technology	5 Min	FGIS†	Barley Corn	Corn Gluten Meal DDGS	Sorghum Wheat	

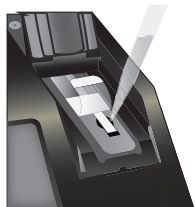
† USDA's Federal Grain Inspection Service.

‡ 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.

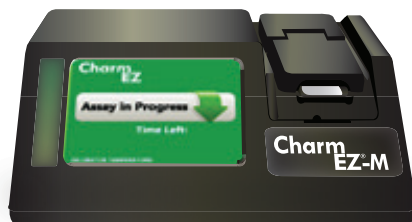




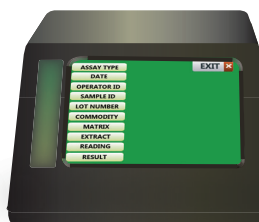
## Simple Procedure



Add Sample.



Incubate.



Read results in less than 5 seconds!



For batch processing, incubate multiple strips simultaneously, then read results in the Charm EZ-M system.

## Order Codes

TEST NAMES	ORDER CODES
<b>FAST Aflatoxin Quantitative Test</b>	LF-AFQ-FAST-20K
	LF-AFQ-FAST-100K
	LF-AFQ-FAST-500K
<b>WET®-S3 Aflatoxin Quantitative Test</b>	LF-AFQ-WETS3-20K
	LF-AFQ-WETS3-100K
	LF-AFQ-WETS3-500K
<b>WET®-S5 Aflatoxin Quantitative Test</b>	LF-AFQ-WETS5-20K
	LF-AFQ-WETS5-100K
	LF-AFQ-WETS5-500K
<b>FAST5 DON Quantitative Test</b>	LF-DONQ-FAST5-20K
	LF-DONQ-FAST5-100K
	LF-DONQ-FAST5-500K
<b>DONQ2 Quantitative Test</b>	LF-DONQ2-20K
	LF-DONQ2-100K
	LF-DONQ2-500K
<b>WET-S5 DON Quantitative Test</b>	LF-DONQ-WETS5-20K
	LF-DONQ-WETS5-100K
	LF-DONQ-WETS5-500K
<b>FAST5 Fumonisin Quantitative Test</b>	LF-FUMQ-FAST5-20K
	LF-FUMQ-FAST5-100K
	LF-FUMQ-FAST5-500K
<b>WET-S5 Fumonisin Quantitative Test</b>	LF-FUMQ-WETS5-20K
	LF-FUMQ-WETS5-100K
	LF-FUMQ-WETS5-500K
<b>Ochratoxin Quantitative Test</b> (Ochratoxin A)	LF-OCHRAQ-G-20K
	LF-OCHRAQ-G-100K
	LF-OCHRAQ-G-500K
<b>T2/HT2 Quantitative Test</b>	LF-T2-HT2-20K
	LF-T2-HT2-100K
	LF-T2-HT2-500K
<b>FAST5 Zearalenone Quantitative Test</b>	LF-ZEARQ-FAST5-20K
	LF-ZEARQ-FAST5-100K
	LF-ZEARQ-FAST5-500K
<b>WET-S5 Zearalenone Quantitative Test</b>	LF-ZEARQ-WETS5-20K
	LF-ZEARQ-WETS5-100K
	LF-ZEARQ-WETS5-500K