

Refer to Current Charm® Operator's Manual for Complete Test Procedure

ROSA® WET®-S5 Aflatoxin Quantitative Test Flow Chart (3:1 Extraction)

See Approved Commodities
Below

Test Ranges: 0 to 150 ppb
0 to 500 ppb

USDA-FGIS Approved Commodities:

Barley, Brown Rice, Corn, Hominy, Sorghum, Wheat

Sample Preparation



(1) Weigh

Ground sample

50 g



(2) Add Powder

Add WET-S
Extraction Powder

1 Packet for 50 g Sample



(3) Add Water

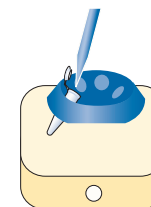
Deionized, Distilled,
or Bottled Water

150 mL



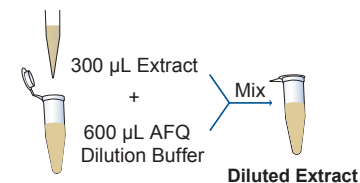
(4) Extract

Shake vigorously
for at least 1.5 minutes;
do not exceed 2.5 minutes



(5) Clarify

Centrifuge^A



(6) Dilute

Prepare **Diluted Extract**

^AUse the centrifuged extract within 2 hours

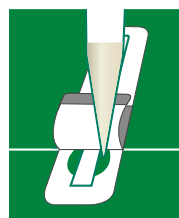
Test Procedure



(1)

Place test strip in ROSA Incubator or
Charm EZ-M system.

For Charm EZ-M system select appropriate
test, commodity and dilution if prompted.



(2)

Peel tape.

Pipet 300 µL **Diluted Extract**
into sample compartment.

Reseal tape.



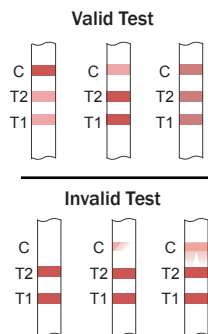
(3)

Close lid.

Incubate for 5 minutes.

Read Result

(1) Inspect test strip



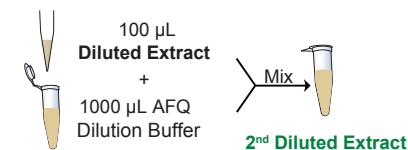
(2) Read result with ROSA-M Reader or Charm EZ-M system

ROSA-M Reader: Select MYCO2 channel in 3-line mode (blinking) and appropriate MATRIX.

Charm EZ-M system: Select appropriate test, commodity and dilution if prompted.

Commodity	Sample (Dilution)	MATRIX	Quantitation Range	LOD
Brown Rice and Corn	Diluted Extract (DE)	00	5 to 100 ppb	3 ppb
	2 nd Diluted Extract (2ND DE)	01	50 to 300 ppb	-
Barley, Hominy, Sorghum, Wheat	Diluted Extract (DE)	02	5 to 100 ppb	3 ppb
	2 nd Diluted Extract (2ND DE)	03	50 to 300 ppb	-

For quantitation of 50 to 300 ppb:



(1) Prepare 2nd Diluted Extract

(2) Repeat Test Procedure (steps 1, 2, 3) with 2nd Diluted Extract

(3) Read Result