

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

GIPSA-Approved Commodities:
Corn, 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

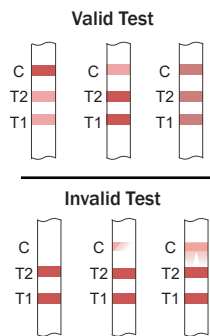
(1)
Place test strip in ROSA Incubator or Charm EZ-M system.
For Charm EZ-M system select appropriate test, commodity and dilution if prompted.

(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



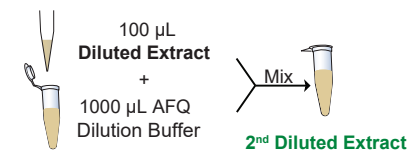
(2) Read result with ROSA-M Reader or Charm EZ-M system

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
Corn	Diluted Extract (DE)	00	0 to 150 ppb	2 ppb
		01		
Sorghum, Wheat				
Corn , Sorghum, Wheat	2nd Diluted Extract (2ND DE)	02	50 to 500 ppb	-

For quantitation of 50 to 500 ppb:



- (1) Prepare 2nd Diluted Extract**
- (2) Repeat Test Procedure (steps 1, 2, 3) with 2nd Diluted Extract**
- (3) Read Result**