

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

See Approved Commodities Below

**Test Range:**  
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<sup>A</sup>

**(6) Dilute**  
Prepare **Diluted Extract**

<sup>A</sup>Use the centrifuged extract within 2 hours

Test Procedure

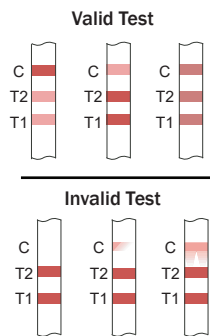
**(1)**  
Place test strip in ROSA Incubator or Charm EZ-M system.  
For Charm EZ-M system select appropriate test, commodity and dilution if prompted.

**(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**



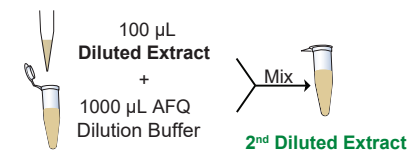
**(2) Read result with ROSA-M Reader or Charm EZ-M system**

**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	5 to 100 ppb	3 ppb
		01		
Sorghum, Wheat				
Corn, Sorghum, Wheat	<b>2<sup>nd</sup> Diluted Extract (2ND DE)</b>	<b>02</b>	<b>50 to 300 ppb</b>	-

**For quantitation of 50 to 300 ppb:**



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