

ROSA® Ochratoxin Quantitative Test Flow Chart

See Approved Commodities Below

Test Ranges:
0 to 30 ppb
0 to 150 ppb

FGIS-Approved Commodities:

Barley, Buckwheat, Corn, Corn Gluten Meal, Malted Barley, Oat Groats, Rye, Sorghum, Soybean Meal, Soybeans, Wheat

Charm-Validated Commodities:

Rice

Sample Preparation

(1) Weigh
Ground sample*
50 g
or 10 g

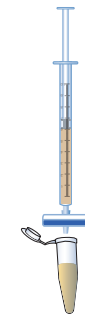
(2) Add Solvent
70% Methanol
100 mL
or 20 mL

(3) Extract
Shake or blend for 1 minute; do not exceed 2 minutes.

(4) Clarify
Centrifuge or allow to settle

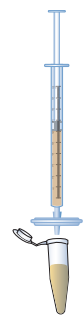
(5) Dilute
Prepare **Diluted Extract**

Filter for:
Buckwheat Only



Pass **Diluted Extract** through GF/CA Filter

Filter for:
All Other Commodities



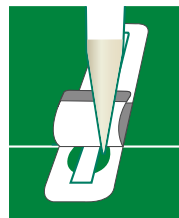
Pass **Diluted Extract** through RC15 Filter

*50 g is the official FGIS required/Charm recommended sample weight, 10 g is the unofficial / optional sample weight

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.



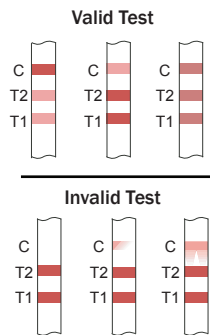
(2)
Peel tape.
Pipet 300 µL **Diluted Extract** into sample compartment.
Reseal tape.



(3)
Close lid.
Incubate for 10 minutes.

Read Result

(1) Inspect test strip



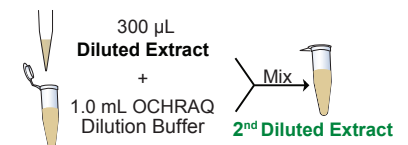
(2) Read results with ROSA-M Reader or Charm EZ-M system

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

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

Sample (Dilution)	MATRIX	Quantitation Range	LOD
Diluted Extract (DE)	00	5 to 30 ppb	2 ppb
2 nd Diluted Extract (2ND DE)	01	20 to 100 ppb	-

For quantitation of 20 to 100 ppb:



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