

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

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

See Approved Commodities Below

Test Range: 0 to 1400 ppb

FGIS-Approved Commodities:
Corn, Sorghum, Wheat

Sample Preparation



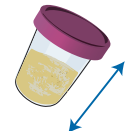
(1) Weigh
Ground sample
50 g



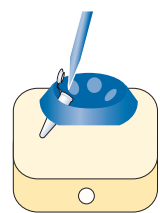
(2) Add WET-S Extraction Powder
Use packet labeled with appropriate sample size
1 Packet for 50 g sample



(3) Add Solvent
Deionized, Distilled or Bottled Water
150 mL

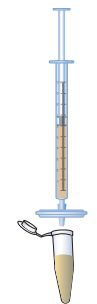


(4) Extract
Shake vigorously for at least 1.5 minutes; do not exceed 2.5 minutes^A

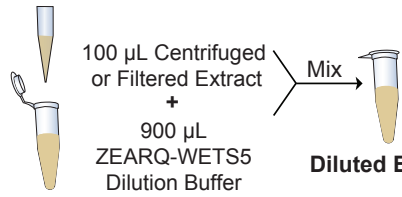


(5) Clarify
Centrifuge^B

Filter for:
Sorghum Only



Pass extract through RC15 Filter and collect



(6) Dilute
Prepare **Diluted Extract**

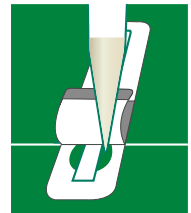
^A Use the extract within 30 minutes of extraction
^B Use the centrifuged extract within 2 hours

Test Procedure



(1)
Place test strip in ROSA Incubator or Charm EZ®-M system.

For Charm EZ-M system select appropriate test (ZEARQ-WETS5), commodity and dilution if prompted.



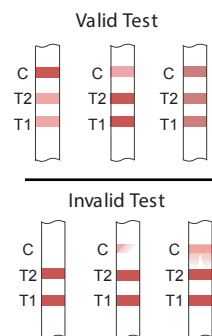
(2)
Peel tape.
Pipet 300 µL **Diluted Extract** into sample compartment.
Reseal tape.



(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 ZEAR channel in 3-line mode (blinking) and MATRIX 00.

Charm EZ-M system: Select appropriate test (ZEARQ-WETS5), commodity and dilution if prompted.

Commodity	Sample (Dilution)	MATRIX	Quantitation Range	LOD
Corn, Sorghum, Wheat	Diluted Extract (DE)	00	50 to 1000 ppb	25 ppb