

ROSA® T2-HT2 Quantitative Test Flow Chart

See Validated Commodities Below

Test Ranges:
0 to 250 ppb
0 to 2500 ppb

Charm Validated Commodities:

Barley, Corn, Corn Gluten Meal, Oat Groats, Sorghum, Soybean Meal, Wheat, Wheat Flour

Sample Preparation

(1) Weigh
Ground sample^A
50 g
or 10 g

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

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

(4) Clarify
Centrifuge, filter,
or allow to settle

(5) Dilute
Prepare **Diluted Extract**

100 µL Extract + 1.0 mL T2-HT2 Dilution Buffer → Mix → Diluted Extract

(6) Filter
Pass **Diluted Extract**
through RC15 filter

^A50 g is the Charm recommended sample weight, 10 g is an optional sample weight.

Test Procedure

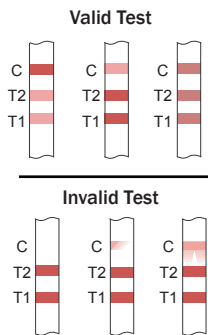
(1)
Place test strip in ROSA Incubator or Charm EZ®-M system.
For Charm EZ-M system select appropriate test, commodity and dilution if prompted.

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

(3)
Close lid.
Incubate for 10 minutes.

Read Results

(1) Inspect test strip



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

ROSA-M Reader: Select T2 channel in 3-line mode (blinking) and appropriate MATRIX.

Charm EZ-M system: Select appropriate test (T2/HT2), commodity and dilution if prompted.

Sample (Dilution)	MATRIX	Quantitation Range	LOD
Diluted Extract (DE)	00	0 to 250 ppb	10 ppb
2nd Diluted Extract (2ND DE)	01	100 to 2500 ppb	-

For quantitations of 100 to 2500 ppb

100 µL Diluted Extract + 1.0 mL T2-HT2 Dilution Buffer → Mix → **2nd Diluted Extract**

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