

REVEAL[®] Q+ MAX FOR ERGOT ALKALOIDS

PLEASE READ KIT INSTRUCTIONS COMPLETELY BEFORE PERFORMING TEST.



Materials Provided:

25 Reveal Q+ MAX for Ergot Alkaloids test strips
50 Red sample dilution cups
02 bottles of teal-labeled sample diluent
25 MAX 1 Aqueous Extraction packets

Product number: 8488

Threshold:

Curve 1: 50–500 ppb
Curve 2: 500–5000 ppb
Testing time: 8 minutes

Call 800.234.5333 to order or visit NEOGEN.com

Procedure



1 Prepare by entering the QR code into the Raptor[®] reader



2 Obtain a representative sample. Grind and weigh out a 10 g sample



3 Add contents of 1 MAX 1 packet to the sample



4 Add 50 ml distilled or deionized water to the sample

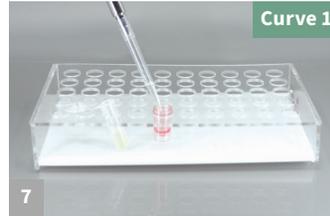


5 Shake vigorously for 3 minutes, or blend for 1 minute



6 Allow to settle for 2 minutes. Transfer sample into a 2 ml microcentrifuge tube and centrifuge for 1 minute.

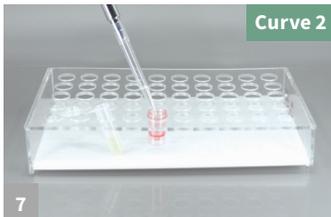
Follow Curve 1 or Curve 2.



7 Add 100 μ l of sample extract to a red dilution cup



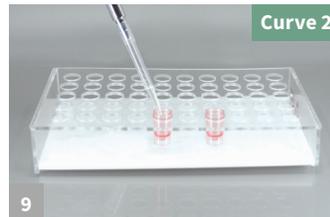
8 Add 700 μ l sample diluent to the red dilution cup and mix up and down 5 times. Continue to step 11.



7 Add 100 μ l of sample extract to a red dilution cup



8 Add 700 μ l sample diluent to the red dilution cup and mix up and down 5 times



9 Add 200 μ l of diluted sample to a new red dilution cup



10 Add 800 μ l of sample diluent to the second red dilution cup and mix up and down 5 times. Continue to step 11.



11 Insert strip into the Raptor cartridge



12 Insert cartridge into the Raptor reader. Select Curve 1.



13 Add 400 μ l sample from the red dilution cup to the back of the Raptor cartridge. Reader will start automatically



14 Results shown on the Raptor reader

* See kit instructions depending on desired range of detection. Samples run on Curve 1 greater than 500 ppb must be diluted and run on Curve 2. Samples run on Curve 2 greater than 5000 ppb must be diluted and re-run on Curve 2.



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Product Number: 8488

Ordering Information

- 8488 Reveal[®] Q+ MAX for Ergot Alkaloids
- 8089 MAX 1 Aqueous Extraction packets
- 9680 Raptor Platform
- 9696 Raptor Solo Platform
- 9681 Raptor Cartridges



Ergot alkaloids are secondary metabolites produced by fungi of the *Claviceps* genus (chiefly *Claviceps purpurea*), which are common pathogens of cereals and pasture grasses. Ergot alkaloids are toxic and carcinogenic substances, which throughout history have caused several deadly episodes of food poisoning, known as St. Anthony's fire or ergotism.

The best protection against ergot alkaloids and other mycotoxins is monitoring for their presence in feed and food. That means testing all along the pathways from initial harvest of grains to the finished product.

Test With Confidence

NEOGEN introduces **Reveal[®] Q+ MAX for Ergot Alkaloids**, a unique and easy-to-use quantitative lateral flow test that provides results in only 8 minutes. The aqueous extraction eliminates the need for hazardous materials and its innovative technology yields precise and reproducible results.

Materials Recommended but Not Provided

| NEOGEN Item | Extraction Materials |
|-------------|--|
| 9428, 9428B | Sample collection cups with lids 125 ml |
| 9330 | Centrifuge, mini |
| 9172 | Microcentrifuge tubes |
| 9448, 9447 | Dispensing pump or graduated cylinder |
| 9401, 9453 | Agri-Grind grinder or equivalent |
| 9427 | Scale capable of weighing 5–50 grams \pm 0.1 g |
| 9426, 9452 | Timer |
| 9475 | Reveal sample cup rack |
| 9463 | Pipettor, 100–1000 μ l |
| 9693 | Pipettor, 400 μ l |
| 9464, 9487 | Pipette tips, 100–1000 μ l |
| — | Distilled or deionized water |

