

Ruminant By-products

Reveal®

For Ruminant in MBM



Intended Use

Reveal for Ruminant in MBM is an immunochromatographic lateral flow assay used for the qualitative analysis of ruminant MBM in nonruminant animal meal. The test can detect as little as 2% ruminant MBM in nonruminant animal meal.

The Test

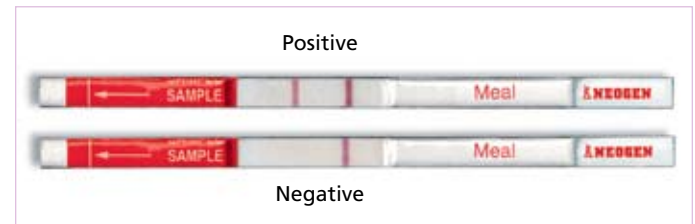
Reveal for Ruminant in MBM is a single-step lateral flow immunochromatographic assay. The extract is wicked through a reagent zone, which contains antibodies specific for heat stable ruminant muscle protein, conjugated to colored particles. If ruminant by-product is present, it will be captured by the conjugated antibodies. The ruminant-antibody-particle complex is then wicked onto a membrane which contains a zone of antibody specific for the ruminant muscle protein. This zone captures the complex allowing the particles to concentrate and form a visible line. If no ruminant by-product is present, no line will form. The membrane also contains a control zone where an immune complex present in the reagent zone is captured by an antibody, forming a visible line. The control line will always form regardless of the presence of ruminant by-product, ensuring the strip is working properly. The test strip provides clear results in approximately 10 minutes.

The Procedure

1. Weigh 10 grams of sample and place in a Mason-type jar.
2. Add 100 mL of extraction solution to the jar.
3. Heat in boiling water for 10 minutes.
4. Transfer 0.5 mL of extract to a sample tube.
5. Place a strip into the sample tube.
6. Interpret results after 10 minutes. If two lines appear, the sample is positive. If one line appears, the sample is negative.

See package insert for complete instructions

Results



Product Specifications

Sensitivity:	2% in meat and bone meal
Testing time:	Extraction boiling step: 10 minutes; Test strip development: 10 minutes
Storage:	Room temperature, 18-30°C
Tests per kit:	25
Approvals:	AOAC-RI #070501

Materials Recommended But Not Provided

Available from Neogen

1. Scale capable of weighing 10 grams
2. Reveal centrifuge tube rack
3. 100 mL graduated cylinder
4. Timer

Not Available from Neogen

1. 12-ounce Mason-type jars (1 per sample)
2. Heat source to boil water
3. 1 gallon (3.8 L) container of distilled or deionized water
4. Waterproof marker

* See *Equipment and Accessories*, pages 104–108

Ordering Information

Prod.#	Product description
8105	Reveal for Ruminant in MBM - 25 samples
9590	Reveal AccuScan III Reader