

## Reveal®

### For Ruminant in Feed



#### Intended Use

Reveal for Ruminant in Feed is an immunochromatographic lateral flow assay used for the qualitative analysis of ruminant by-products in feed. The test can detect as little as 1% ruminant by-products in feed and feed supplements.

#### The Test

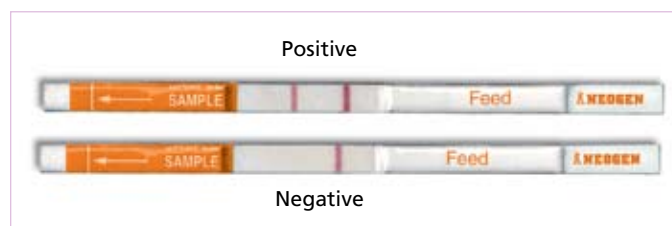
Reveal for Ruminant in Feed is a single-step lateral flow immunochromatographic assay. The extract is wicked through a reagent zone, which contains antibodies specific for heat stable ruminant muscle protein, conjugated to colored particles. If ruminant by-product is present, it will be captured by the 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 one level scoop of extraction additive.
3. Add 100 mL of extraction solution to the jar.
4. Heat in boiling water for 10 minutes.
5. Transfer 0.5 mL of extract to a sample tube.
6. Place a strip into the sample tube.
7. 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:	1% in feed and feed supplements
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 #010405

#### 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) of distilled or deionized water
4. Waterproof marker

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

#### Ordering Information

Prod.#	Product description
8100	Reveal for Ruminant in Feed - 25 samples
9590	Reveal AccuScan III Reader