

Artron GeneTrue test Kit for phytase (highly glycosylated)

Catalog Number: A07-07-413

Rapid Test User Instruction



- **INTENDED USE**

The Artron GeneTrue Rapid test Kit for Phytase (highly glycosylated) is intended to determine the presence of the highly glycosylated recombinant phytase from *Asperillus Niger* (expressed in *Pichis Pastoris*)

Phytase is currently used as an additive in animal feed to breakdown phytic acid in corn, which holds 60% of the phosphorus in corn. Phytase increases phosphorus absorption in animals by 60%. Phosphorus is an essential element for the growth and development of all animals, and plays a key role in skeletal structures and vital metabolic pathways. Phytase, as an additive for animal feed, is mandatory in Europe, Southeast Asia, South Korea, Japan, and other regions for environmental purposes.

- **STORAGE**

- The Artron Rapid test Kit should be stored and sealed in its container at room temperature. It is recommended to store the strip in the refrigerator (4°C) between uses, prolonging its shelf life.
 - * For best results, keep the strip in dry before use.

- **CONTENTS**

Items	Quantity
Strip	25 Strips
Instructions	1

- **MATERIALS REQUIRED (BUT NOT PROVIDED)**

- **SAMPLE PREPARATION**

Collect 2 ml of supernatant from the culture medium and add 4 ml of D.W.

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Limit of detection: 1 ng/ml

The test is suitable for testing the culture medium contain the recombinant phytase directly.

- **HOW TO RUN THE STRIP TEST**

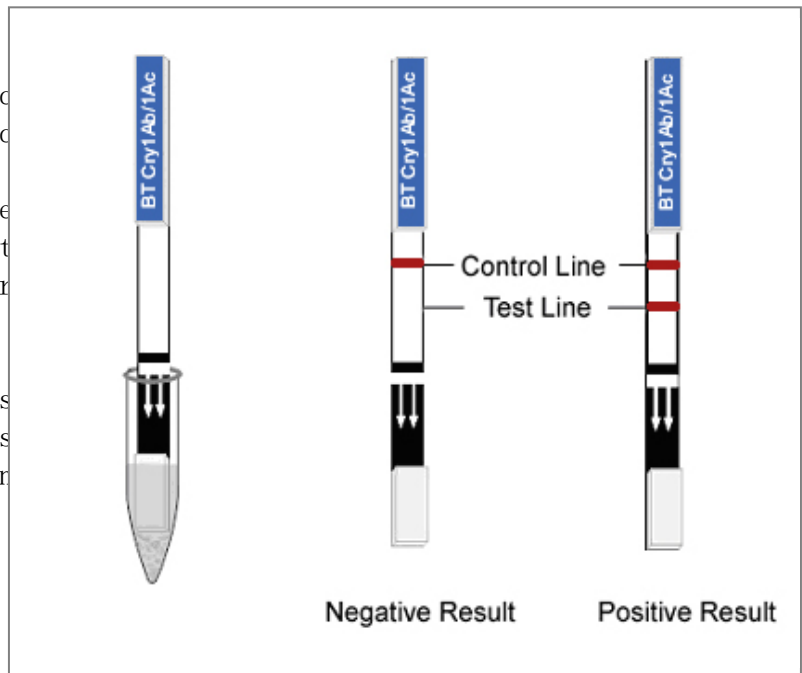
Allow refrigerated canisters to come to room temperature before opening.

Remove the Artron Strip to be used and reseal the canisters immediately. Avoid bending and getting the strip wet; always grasp the top of the strip marked with the test name.

Keep the strips in a vertical position and insert the ends of the strips into the tube or bag that contains the sample.

Do not allow sample to pass the "Max" line.

Wait 2-5 minutes for the result. If only one line appears, allow the strip to develop for an extra 10 minutes before making a final assay interpretation. The result will be invalid after 30 minutes.



- **INTERPRETING THE RESULTS**

The appearance of a control line indicates that the strip has functioned properly. If the control line does not appear in 10 minutes, use another strip to retest the sample. If the sample extract contained phytase, a second line (Test Line) will develop on the membrane under the control line. This signifies that the test is finished and the sample is positive for phytase.

For technical assistance or questions regarding the use of this test system, please call Artron BioResearch Inc.
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LIMITED WARRANTY

Artron BioResearch Inc. warrants the products manufactured by Artron will be free of defects in materials and workmanship when used in accordance with the applicable instructions for a period of one and half year from the date of shipment of the products or if shorter, for a period not to extend beyond a product's printed expiration date.

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