BALLYA™

Zearalenone Rapid Test Kit

Cat No.:T19020

Introduction

It is based on the colloidal gold competition method to detect the residues of Zearalenone in food, feed ingredients and some finished feeds through specific antigen-antibody reaction. It is suitable for various enterprises, testing institutions and supervision departments detection.

The Detection Limit： 100ppb

Can detect sample

Grain, Feeding, Parts of finished Feeding

Kit Components

1. Test Strips, 12 pack, each pack 8 strips, 8pcs red reagent
2. 8pcs white microwells/pack
3. Manual Instruction

Components Required, But Not Provided

1. Weight Scale (Accurancy above 0.1g)
2. **100μL** Pipette
3. 50ml centrifuge tube
4. Ethanol (analytical grade), pure water
5. Vortex instrument, Timer

Storage

At 4~30℃, out of sun light & moisture, sealed, do not freeze.

Solution Prepare

1, 50% ethanol-water solution: 50mL ethanol (analytical grade) + 50mL pure water

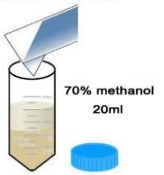
2, Buffer: Take 10ml pure water into the buffer labeled bottle, shake well.

Sample Preparation

Prepare the sample, and the sample should be in room temperature, no need to heat or refrigerate.



1. Weight 0.5g±0.05g grain sample into centrifuge tube. (Strong water absorption feed, such as Bran, Cotton aphid, Cottonseed etc. Weight 2.5g sample)



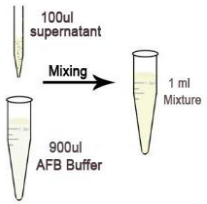
2. Add sample into centrifuge tube, mixing with 20ml 50% methanol Pure water.



3. Shake up and down the tube for 2 mins



4. Wait for 10mins, take the supernatant liquid. The Supernatant liquid is the sample liquid.



Test Procedure

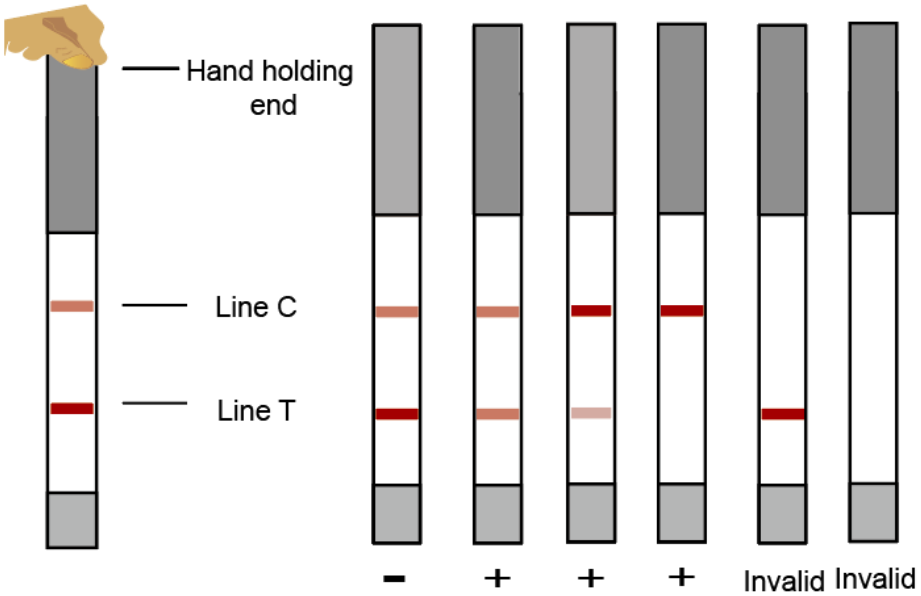
1. Take out the strips for assay. The unused test kit must be sealed and out of sunlight and moisture. Let the sample liquid turn to 20℃-25℃.
2. Drop **100ul** sample liquid and **100ul** buffer into the red microwell.

3. Use pipette pietting up and down at least 6times, mix the liquid completely.
4. Timer 5mins at room temperature.
5. Insert the strip into microwell, with BALLYA Logo handle end is up.
6. Wait for 5mins, take out the sample pad. Read the results.

Interpretation of Test Results

A. Reading the Results

Results must be read within 5 minutes



Negative: **T** line stronger than **C** line.
Positive: Other results are positive.
Invalid: Only **T** line appear or no **C** line.

Performance Information

LOD: 100μg/kg (μg/kg=ppb）

Precautions and Warnings

1. Make sure let the strips turn to room temperature then for use.
2. Use the strips in the shelf time.
3. Keep the kits in sealed when do not use.
4. The kit is single-use, do not reuse.
5. This method is a screening method. If there is a positive sample, please confirm it by confirmatory method.

Shelf Life

12 months

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