

ELISA 검사법

- ▶ MEISA – TEK RUMINANT KIT
(Cat.No.510311)

- ▶ Test Principle

 - Sandwich ELISA

 - *detection of muscle tissue, Cooked meat, feed products.

 - *captures troponin-I present in the samples or control.

 - *Detection of thermo-stable troponin-I allows for the detection of muscle tissue in processed and heat-treated feed products such as meat and bone meal, while not detection exempted materials such as ruminant milk, blood or jelatin.



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I. Kit component preparation

a. Prepare Extraction solution :

Extraction Solution packet/ 1 liter DW

b. Prepare Wash Solution :

Wash solution concentrate 100ml / 900ml DW

2. Prepare samples to be tested

a. Feed sample : 5g/50ml Extraction solution

- 30min room temperature – 95~100 °C (Water bath)

15min – Cooled 30min – Filtering(NO.4 filter) or

Centrifuge at 10000 x G 10min – Clear or cloudy



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3. Prepare the test controls

a. 10% Negative control

b. 1% High Positive control :

10% Positive control 100ul/900ul of Extraction solution

c. 0.05% Low Positive control :

1% Positive control 50ul/950ul of 10% negative control

d. Blank : Negative control

Extraction solution



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4. Assay procedure

- a. Blank, Positive control, samples, negative control – 100ul
 - b. incubate 20min – room temperature
 - c. washing – 3times
 - d. Biotinylate Secondary Antibody – 50ul
 - e. incubate 20min – room temperature
 - f. washing – 3times
 - g. Avidin Peroxidase Solution(conjugate) – 50ul
 - h. incubate 20min – room temperature
 - i. washing – 6times
 - j. TMB substrate – 50ul - incubate 20min – room temperature
 - k. Stop solution – 50ul – Reading 450nm (within 10min)
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