Heat-treated Bovine Protein ELISA Kit Ver.2

Qualitative assay for determining Bovine MBM (meat and bone meal) in feed.



High sensitivity

 Our kit can detect 0.1 % bovine MBM in feed which is processed under high temperature (135°C) and pressure.

High specificity

 The specially prepared anti-bovine protein monoclonal antibody achieved the least cross reactivity against the feed ingredients. Namely, our kit shows no reactivity against pork, chicken, and fish proteins as well as milk and gelatin those are commonly supplemented in the feed.

Fast

140 minutes for ELISA assay

[Specification]

• Sensitivity: 0.1% bovine MBM

• Sample preparation time : 30-60 minutes

• Time for ELISA assay: 140 minutes

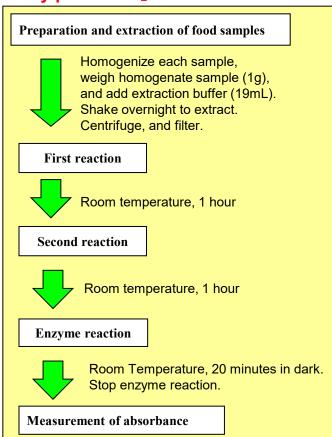
- The intra-assay precision (C.V.) : ≤10%.
- The inter-assay precision (C.V.) : ≤ 10%.



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[Assay procedure]



(Other required reagents and instruments)

- Distilled water (or Deionized water)
- Micropipets/disposable tips ranging 0.01 1mL
- Volumetric cylinders
- Polypropylene centrifugation tube
- Polypropylene test tubes (1- 2 mL size)
- Homogenizer/blender
- Horizontal shaker
- Vortex mixer
- Microplate reader covering 450nm, and 610 to 650 nm

[Kit component]

Kit component 1			
	Name of component	Content	Quantity
1	Solution A (10X concentrate)	100 mL	1 bottle
2	Solution B (10X concentrate)	100 mL	1 bottle
3	Solution C (10X concentrate)	100 mL	1 bottle
4	Solution D (10X concentrate)	13 mL	1 bottle
⑤	Positive control I (Low concentration)	1.8 mL	1 vial
6	Positive control II (High concentration)	1.8 mL	1 vial
7	Negative control I	1.8 mL	1 vial
8	Negative control II	1.8 mL	1 vial
9	Wash buffer (20X concentrate)	50 mL	1 bottle
10	Enzyme-conjugated antibody	12 mL	1 bottle
11)	Enzyme substrate (TMB solution)	13 mL	1 bottle
12	Stop solution (1 N Sulfuric acid)	13 mL	1 bottle
13	Antibody-coated microplate module (One module consists of 8 wells)	3 modules / pack	4 packs
	Frame for mounting the microplate module		1 piece
	Microplate cover		1 piece





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