

# ***Heat-treated Bovine Protein ELISA Kit***

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



## High sensitivity

- Our kit can detect **0.1 % bovine protein in feed and MBM** which are 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】**

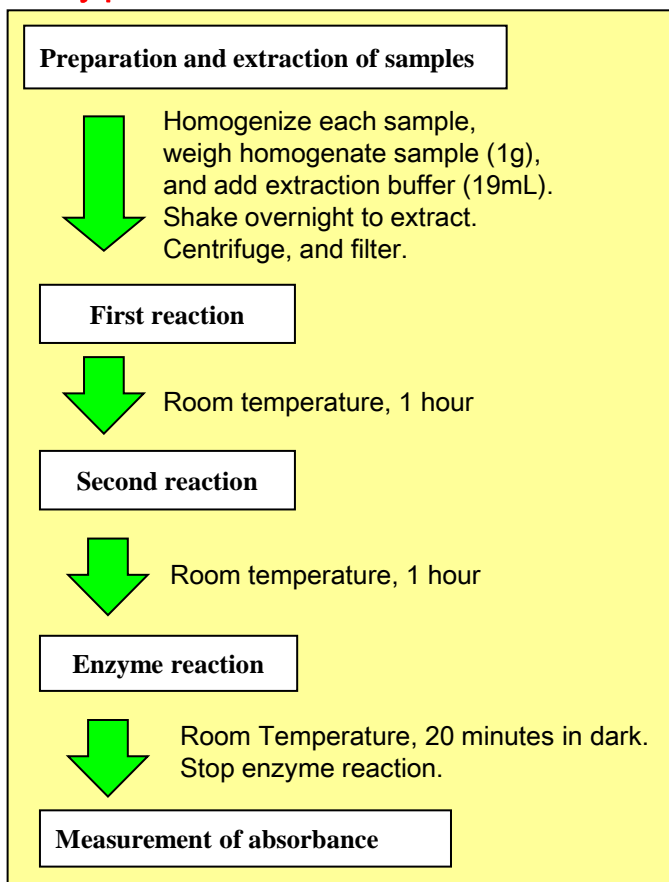
- Sensitivity : 0.1% bovine protein in feed and MBM
- Sample preparation time : 30-60 minutes
- Time for ELISA assay : 140 minutes
- The intra-assay precision (C.V.) :  $\leq 10\%$ .
- The inter-assay precision (C.V.) :  $\leq 10\%$ .



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## 【Assay procedure】



## 【Kit component】

	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

## 【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

