

## **MBS027990 Bovine Thrombin (TMBN) ELISA Kit**

**LOT:12/2018**

### **PRECISION**

#### **Intra-assay Precision (Precision within an assay)**

Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.

#### **Inter-assay Precision (Precision between assays)**

Three samples of known concentration were tested in six separate assays to assess inter-assay precision.

Sample	Intra-Assay Precision			Inter-Assay Precision		
	1	2	3	1	2	3
n	20	20	20	6	6	6
Mean (ng/ml)	4.76	11.75	29.19	4.81	11.94	30.97
Standard deviation	0.11	0.32	0.88	0.10	0.35	1.67
CV (%)	2.3	2.8	3.0	2.1	2.9	5.4

### **RECOVERY**

The spike recovery was evaluated by spiking 3 levels of Thrombin into five health Bovine serum samples.

The un-spiked serum was used as blank in these experiments.

The recovery ranged from 75 % to 99 % with an overall mean recovery of 91 %.

### **SAMPLE VALUES**

Serum/Plasma – Thirty samples from apparently healthy Bovine were evaluated for the presence of Thrombin in this assay.

Sample Type	Mean (ng/ml)	Range (ng/ml)
Serum (n=30)	8.97	4.35-13.68
EDTA plasma (n=30)	8.33	4.15-12.26
Heparin plasma (n=30)	8.16	3.97-12.38

### **TYPICAL DATA**

A standard curve should be generated for each set samples assayed. This standard curve is provided for demonstration only.

ng/ml	0	1.56	3.12	6.25	12.5	25	50
O.D	0.079	0.113	0.189	0.305	0.559	1.103	1.976