



# Bovine Interferon $\gamma$ , IFN- $\gamma$ ELISA Kit

<b>Product Code</b>	CSB-E09812b
<b>Abbreviation</b>	IFNG
<b>Protein Biological Process 1</b>	Immunity
<b>Target Name</b>	interferon, gamma
<b>Uniprot No.</b>	P07353
<b>Alias</b>	IFG, IFI, IFN-gamma?interferon gamma
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Protein Biological Process 3</b>	Antiviral defense
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	31.25 pg/mL-2000 pg/mL
<b>Sensitivity</b>	7.8 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Immunology
<b>Gene Names</b>	IFNG
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Bovine IFNG ELISA Kit was designed for the quantitative measurement of Bovine IFNG protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%  Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%  Three samples of known concentration were tested in twenty assays to assess.</p>


**Linearity**

To assess the linearity of the assay, samples were spiked with high concentrations of bovine IFN- $\gamma$  in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	92
	Range %	86-95
1:2	Average %	102
	Range %	99-105
1:4	Average %	94
	Range %	89-97
1:8	Average %	97
	Range %	93-101

**Recovery**

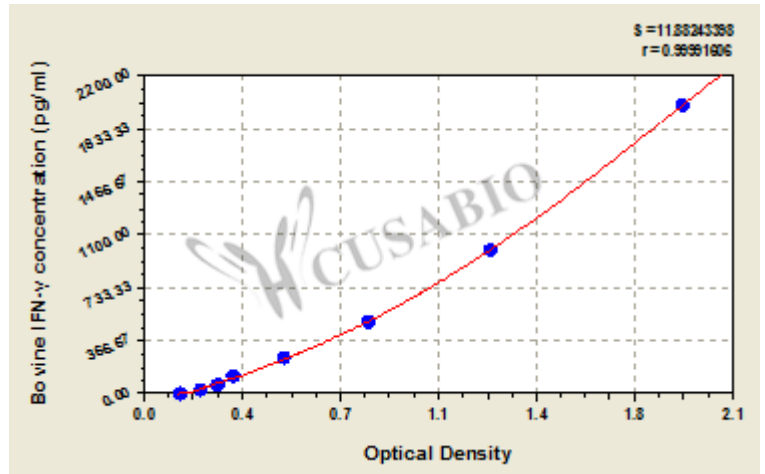
The recovery of bovine IFN- $\gamma$  spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	93	89-96
EDTA plasma (n=4)	95	92-98

Sample Type    Average % Recovery    Range

**Typical**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
2000	1.974	1.882	1.928	1.785
1000	1.290	1.196	1.243	1.100
500	0.818	0.807	0.813	0.670
250	0.519	0.502	0.511	0.368
125	0.324	0.333	0.329	0.186
62.5	0.268	0.280	0.274	0.131
31.25	0.212	0.221	0.217	0.074
0	0.142	0.144	0.143	?

**Msds**

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