

CERTIFICATE OF ANALYSIS

Product: ISG15 ELISA Kit (Bovine)
Sku: OKEH02387
Lot: KF0882
Expiration Date: 2022.01

Performance Characteristics:

Intra-Assay CV	$\leq 6.1\%$	Passed
Inter-Assay CV	$\leq 8.2\%$	Passed
Limit of Detection (LOD)		≤ 12.2 pg/mL
Assay Range		31.2 - 2000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 4000 pg Lyophilized ISG15 standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a set of diluted standards as indicated in the chart below:

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
1	Reconstitute ISG15 Standard	N/A	N/A	2,000	2000
2	2000	300	300	600	1000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	1000	300	300	600	500
4	500	300	300	600	250
5	250	300	300	600	125
6	125	300	300	600	62.5
7	62.5	300	300	600	31.2
8	N/A	0	300	300	0.0 (Blank)



Typical Expected Data

Standard Curve and Calculations ONLY. Do not use below report for result calculations. A standard curve should be generated each time the test is performed.

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
1	2000	2.731
2	1000	1.752
3	500	1.106
4	250	0.573
5	125	0.277
6	62.5	0.179

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	31.2	0.099

Standard Curve Graph

