



CERTIFICATE OF ANALYSIS

Product: Dog C-Peptide ELISA Kit

Catalog No: OKEH00455

Lot No: BJ09142023

Expiration Date: 2024.02

Performance Characteristics:

Intra-Assay CV	< 5.1%	Passed
Inter-Assay CV	< 8.9%	Passed
Limit of Detection (LOD)		< 0.069 ng/mL
Assay Range		0.156 – 10 ng/mL

Standard Dilution:

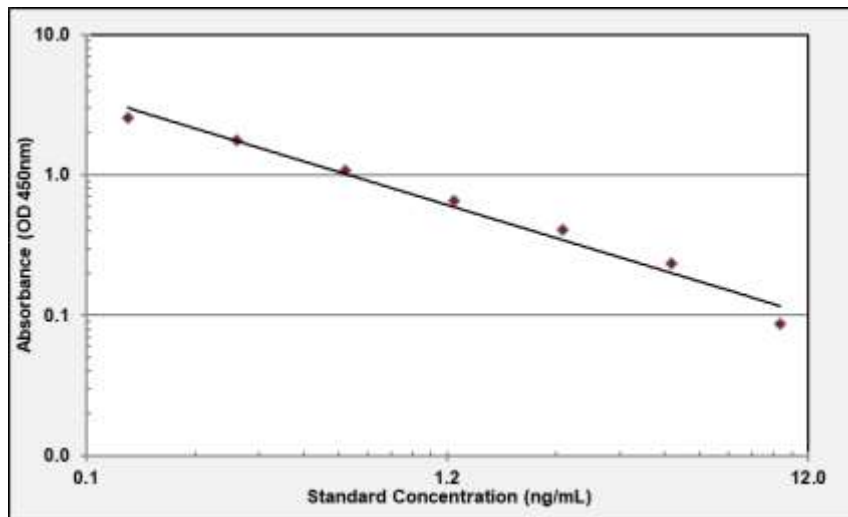
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 80 ng Lyophilized C-Peptide Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 10 ng/mL Standard by adding 250 µL of 40 ng/mL Standard to 750 µL of Sample Diluent in Tube #1. Mix gently and thoroughly.

Standard Number (Tube)	Standard to Dilute	Volume Standard to Dilute (µL)	Volume Sample Diluent (µL)	Total Volume (µL)	Final Concentration (ng/mL)
Standard	80 ng C-Peptide Standard	NA	2,000	2,000	40 ng/mL
1	40 ng/mL	250	750	1,000	10 ng/mL
2	10 ng/mL	300	300	600	5.0 ng/mL
3	5.0 ng/mL	300	300	600	2.5 ng/mL
4	2.5 ng/mL	300	300	600	1.25 ng/mL
5	1.25 ng/mL	300	300	600	0.625 ng/mL
6	0.625 ng/mL	300	300	600	0.312 ng/mL
7	0.312 ng/mL	300	300	600	0.156 ng/mL
8	N/A	0	300	300	0.0 (Blank)

Sample 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 Curve Graph



Standard ng/mL	Absorbance (OD 450nm)
10	0.087
5.0	0.233
2.5	0.404
1.25	0.651
0.625	1.079
0.313	1.768
0.156	2.538