

CERTIFICATE OF ANALYSIS

Product: SFTPC ELISA Kit (Human)
SKU: OKEH01168-48
Lot: KH0614
Expiration Date: 2024.03

Performance Characteristics:

Intra-Assay CV	<= 4.9%	Passed
Inter-Assay CV	<= 6.2%	Passed
Limit of Detection (LOD)		<= 0.12 ng/mL
Assay Range		0.469 - 30 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 60 ng Lyophilized SFTPC 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 (ng/mL)
1	Reconstitute SFTPC Standard	N/A	N/A	2,000	30
2	30	300	300	600	15

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	15	300	300	600	7.5
4	7.5	300	300	600	3.75
5	3.75	300	300	600	1.875
6	1.875	300	300	600	0.938
7	0.938	300	300	600	0.469
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 (ng/mL)	Background Adjusted OD Value
1	30	2.825
2	15	2.213
3	7.5	1.632
4	3.75	1.077
5	1.875	0.641
6	0.938	0.375

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.469	0.204

Standard Curve Graph

