

CERTIFICATE OF ANALYSIS

Product: CYP27B1 ELISA Kit (Human)
Sku: OKEH02077
Lot: KE1457
Expiration Date: 2021.05

Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.1%	Passed
Limit of Detection (LOD)		<= 0.33 ng/mL
Assay Range		0.78 - 50 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 100 ng Lyophilized CYP27B1 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 CYP27B1 Standard	N/A	N/A	2,000	50
2	50	300	300	600	25

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	25	300	300	600	12.5
4	12.5	300	300	600	6.25
5	6.25	300	300	600	3.12
6	3.12	300	300	600	1.56
7	1.56	300	300	600	0.78
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	50	2.921
2	25	2.591
3	12.5	2.08
4	6.25	1.381
5	3.12	0.799
6	1.56	0.402

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.78	0.206

Standard Curve Graph

