

## CERTIFICATE OF ANALYSIS

**Product:** TFRC ELISA Kit (Human)  
**Sku:** OKEH04014  
**Lot:** KE1407  
**Expiration Date:** 2021.05

### Performance Characteristics:

Intra-Assay CV	<= 4.2%	Passed
Inter-Assay CV	<= 7.1%	Passed
Limit of Detection (LOD)		<= 1 ng/mL
Assay Range		3.12 - 200 ng/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 200 ng Lyophilized TFRC 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 TFRC Standard	N/A	N/A	1,000	200
2	200	300	300	600	100

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	100	300	300	600	50
4	50	300	300	600	25
5	25	300	300	600	12.5
6	12.5	300	300	600	6.25
7	6.25	300	300	600	3.12
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	200	2.642
2	100	2.016
3	50	1.546
4	25	0.991
5	12.5	0.69
6	6.25	0.429

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	3.12	0.255

Standard Curve Graph

