

CERTIFICATE OF ANALYSIS

Product: Fructosamine ELISA Kit (General)
SKU: OKEH02616
Lot: KF0741
Expiration Date: 2021.12

Performance Characteristics:

Intra-Assay CV	<= 4.9%	Passed
Inter-Assay CV	<= 7.2%	Passed
Limit of Detection (LOD)		<= 4.7 umol/L
Assay Range		15.6 - 1000 umol/L

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 0.5 mL of Sample Diluent to the 500 umol Lyophilized Fructosamine 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 (umol/L)
1	Reconstitute Fructosamine Standard	N/A	N/A	500	1000
2	1000	300	300	600	500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (umol/L)
3	500	300	300	600	250
4	250	300	300	600	125
5	125	300	300	600	62.5
6	62.5	300	300	600	31.2
7	31.2	300	300	600	15.6
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 (umol/L)	Background Adjusted OD Value
1	1000	0.302
2	500	0.453
3	250	0.703
4	125	0.961
5	62.5	1.345
6	31.2	1.723

Standard Number	Concentration (umol/L)	Background Adjusted OD Value
7	15.6	1.906

Standard Curve Graph

