

01/27/17-1

Standard Curve @ 595nm

Standards

	rep1	rep2	rep3	avg	conc (x)	slope (m) of equation	y-intercept (b)	
a	0.81	0.674	0.52	0.668	2	0.175	0.3227	
b	0.699	0.437	0.612	0.582666667	1.5			
c	0.485	0.445	0.459	0.463	1			
d	0.432	0.578	0.505	0.505	0.75			
e	0.486	0.369	0.377	0.410666667	0.5			
f	0.43	0.424	0.354	0.402666667	0.25			
h	0.361	0.333	0.355	0.349666667	0.125			
g	0.304	0.312	0.3	0.305333333	0.025			
i	0.303	0.286	0.291	0.293333333	0			

	rep 1	rep 2	rep 3	avg	mg/ml [(y-yint)/m]	uL dilution factor	uL stock for 40ug	ul of stock for 10	ul of pbs for 10	
0117-21 1x	1.612	1.519	1.588	1.573	7.144571429	292.9274286	0.136552593	0118-27	1.365525932	8.634474068
0117-21 10x	0.811	0.644	0.691	0.715333333	2.243619048	91.98838095				
0117-21 20x	0.527	0.432	0.665	0.541333333	1.249333333	51.22266667				
0118-24 1x	1.332	1.162	1.315	1.269666667	5.411238095	221.8607619	0.18029326	0118-19	1.802932599	8.197067401
0118-24 10x	0.718	0.646	0.519	0.627666667	1.742666667	71.44933333				
0118-24 20x	0.452	0.489	0.426	0.455666667	0.759809524	31.15219048				
0118-2 1x	1.593	1.613	1.533	1.579666667	7.182666667	294.4893333	0.135828349	0118-53	1.358283492	8.641716508
0118-2 10x	0.595	0.871	0.821	0.762333333	2.512190476	102.9998095				
0118-2 20x	0.594	0.656	0.679	0.643	1.830285714	75.04171429				
0118-8 1x	1.038	1.237	1.266	1.180333333	4.900761905	200.9312381	0.199073078	0119-27	1.990730778	8.009269222
0118-8 10x	0.484	0.597	0.588	0.556333333	1.335047619	54.73695238				
0118-8 20x	0.414	0.505	0.523	0.480666667	0.902666667	37.00933333				
0118-54 1x	1.164	1.451	1.252	1.289	5.521714286	226.3902857	0.176686026	0117-6	1.766860264	8.233139736
0118-54 10x	0.502	0.591	0.545	0.546	1.276	52.316				
0118-54 20x	0.361	0.495	0.486	0.447333333	0.712190476	29.19980952				
0119-26 1x	0.912	1.228	0.797	0.979	3.750285714	153.7617143	0.260142781	0117-10	2.601427812	7.398572188
0119-26 10x	0.476	0.466	0.506	0.482666667	0.914095238	37.47790476				
0119-26 20x	0.378	0.341	0.388	0.369	0.264571429	10.84742857				
0117-2 1x	1.605	1.643	1.57	1.606	7.333142857	300.6588571	0.13304115	0117-26	1.330411496	8.669588504
0117-2 10x	0.757	0.962	0.616	0.778333333	2.603619048	106.748381				
0117-2 20x	0.715	0.684	0.56	0.653	1.887428571	77.38457143				

Standards

$$y = 0.175x + 0.3227$$

$$R^2 = 0.94877$$

