

# Standard Curve @ 595nm

## Standards

	rep1	rep2	rep3	avg	conc (x)	slope (m) of equation	y-intercept (b)
a	0.834	0.903	0.987	0.908	2	0.3392	0.3905
b	0.908	0.976	0.971	0.951666667	1.5		
c	0.855	0.81	0.854	0.839666667	1		
d	0.766	0.724	0.841	0.777	0.75		
e	0.662	0.623	0.616	0.633666667	0.5		
f	0.486	0.48	0.511	0.492333333	0.25		
h	0.429	0.377	0.383	0.396333333	0.125		
g	0.308	0.302	0.31	0.306666667	0.025		
i	0.293	0.298	0.295	0.295333333	0		

	rep1	rep2	rep3	avg	mg/ml [(y-ym)/m]	uL dilution factor	uL stock for 40ug	uL of stock for 10	uL of PBS for 10
0118-60	1x	1.252	1.579	1.488	1.439666667	126.8155464	0.315418741	3.154187412	6.845812588
0118-60	10x	0.635	0.619	0.572	0.608666667	0.643180031	15.16853305	15.16853305	-5.168533045
0118-60	20x	0.538	0.527	0.49	0.518333333	0.376867138	25.88736604	25.88736604	-15.88736604
0118-10	1x	1.462	1.511	1.449	1.474	3.19428066	0.305423931	3.05423931	6.94576069
0118-10	10x	0.772	0.79	0.727	0.763	1.09817217	8.883941725	8.883941725	1.116058275
0118-10	20x	0.563	0.526	0.528	0.539	17.94958726	22.28463497	22.28463497	-12.28463497
0118-25	1x	1.591	1.57	1.519	1.56	141.3605542	2.829643688	2.829643688	7.170356312
0118-25	10x	0.701	0.713	0.681	0.698333333	0.907527516	10.75019478	10.75019478	-0.750194779
0118-25	20x	0.547	0.564	0.533	0.548	37.20862814	21.01122726	21.01122726	-11.01122726
0118-28	1x	1.675	1.625	1.649	1.649666667	3.712165881	0.26281416	2.628141596	7.371858404
0118-28	10x	0.891	0.799	0.884	0.858	1.378242925	7.078648754	7.078648754	2.921351246
0118-28	20x	0.624	0.624	0.63	0.626	28.46550708	14.05209466	14.05209466	-4.052094661
0117-30	1x	1.58	1.564	1.549	1.564333333	3.460593553	0.281919775	2.81919775	7.18080225
0117-30	10x	0.512	0.683	0.657	0.617333333	0.668730346	14.58898586	14.58898586	-4.58898586
0117-30	20x	0.541	0.501	0.565	0.535666667	0.427967767	22.79633726	22.79633726	-12.79633726
0117-17	1x	1.592	1.603	1.607	1.600666667	3.567708333	0.273455581	2.734555813	7.265444187
0117-17	10x	0.954	0.958	1.069	0.993666667	1.778203616	5.486490676	5.486490676	4.513509324
0117-17	20x	0.679	0.694	0.692	0.688333333	0.878046384	11.11114144	11.11114144	-1.111141442
0117-5	1x	1.684	1.688	1.679	1.683666667	3.81240173	0.255904237	2.559042371	7.440957629
0117-5	10x	0.864	1.02	1.016	0.966666667	1.69860456	5.743595533	5.743595533	4.256404467
0117-5	20x	0.732	0.672	0.74	0.714666667	39.18288129	10.20853972	10.20853972	-0.20853972

$$y = 0.3392x + 0.3905$$

$$R^2 = 0.84551$$

## Standards

