

1/26/17

1/24/17

Standard Curve @ 595nm

Standards

rep1	rep2	rep3	avg	conc (x)	slope (m) of equation		y-intercept (b)
a	1.04	1.095	1.0675	1.0675	2	0.3375	0.4387
b	0.94	0.916	0.928	0.928	1.5		
c	0.808	0.893	0.8505	0.8505	1		
d	0.666	0.765	0.727666667	0.727666667	0.75		
e	0.711	0.616	0.648	0.648	0.5		
f	0.539	0.477	0.518	0.518	0.25		
h	0.416	0.428	0.422	0.422	0.125		
g	0.584	0.558	0.567	0.567	0.025		
i	0.322	0.311	0.3165	0.3165	0		

rep 1	rep 2	rep 3	avg	mg/ml [(y-x)/m]	ug/dl dilution factor	uL stock for 40ug	PBS needed for 10uL	ul stock for 80ug/uL
0117-1 1x	1.837	1.935	1.733	1.835	169.6245926	0.235814863	7.641851374	5.283702748
0117-1 10x	1.188	0.97	1.061	1.061	89.20385185	0.44841113	4.716297252	4.716297252
0117-1 20x	0.832	0.994	0.805	0.877	53.24533333	0.751239545	2.358148626	5.283702748
0117-9 1x	1.779	1.67	1.637	1.695333333	152.657679	0.262024159	7.379758407	5.240483185
0117-9 10x	1.46	1.431	1.325	1.405333333	117.4280494	0.340634118	2.620241593	4.759516815
0117-9 20x	0.914	1.162	0.704	0.926666667	59.27891358	0.674776199	7.947162497	5.894324994
0117-19 1x	1.725	2.822	1.581	2.042666667	194.8522469	0.20528375	7.947162497	4.105675006
0117-19 10x	0.795	0.58	0.656	0.677	28.94903704	1.381738534	2.052837503	5.894324994
0117-19 20x	0.71	1.27	0.661	0.880333333	53.6502716	0.745569385	7.062639751	4.125279503
0117-22 1x	1.649	1.578	1.454	1.559666667	136.1766914	0.293736025	2.937360249	5.874720497
0117-22 10x	0.782	0.86	0.818	0.82	46.32088889	0.863541287	7.340249123	4.125279503
0117-22 20x	0.643	0.599	0.623	0.621666667	22.22706173	1.799608085	2.659750877	5.319501753
0118-13 1x	1.801	1.543	1.686	1.676666667	130.3900247	0.265975088	7.340249123	4.680498247
0118-13 10x	0.951	0.881	1.235	1.022333333	70.90064198	0.564169786	2.971824899	4.056350203
0118-13 20x	0.644	0.62	0.625	0.629666667	23.19891358	1.724218674	3.025528739	6.051057478
0118-14 1x	1.476	1.614	1.55	1.546666667	3.282864198	134.5974321	7.028175101	5.943648797
0118-14 10x	0.732	0.883	1.639	1.084666667	1.913975309	0.509729541	6.974471261	3.948942522
0118-14 20x	0.822	0.724	0.894	0.68	0.714962963	29.31348148	3.025528739	6.051057478
0118-20 1x	1.502	1.515	1.564	1.527	3.224592593	132.2082963	3.025528739	6.051057478
0118-20 10x	0.716	0.833	0.706	0.751666667	0.927308642	38.01965432	3.025528739	6.051057478
0118-20 20x	0.637	0.652	0.646	0.645	25.06162963	1.596065403	3.025528739	6.051057478

