

01/26/17-2

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Standard Curve @ 595nm

Standards

	rep1	rep2	rep3	avg	conc (x)	slope (m) of equation	y-intercept (b)	ul. stock for 40ug	Stock needed for 10ul	PBS needed for 10ul	ul needed for 80ug/10ul
a	0.974	0.896	0.815	0.895	0.895	2	0.2664	0.3489			
b	0.711	0.607	0.659	0.659	0.659	1.5					
c	0.792	0.549	0.525	0.622	0.622	1					
d	0.704	0.587	0.587	0.6455	0.6455	0.75					
e	0.486	0.553	0.551	0.53	0.53	0.5					
f	0.443	0.441	0.452	0.44533333	0.44533333	0.25					
h	0.37	0.356	0.368	0.36466667	0.36466667	0.125					
g	0.311	0.316	0.314	0.31366667	0.31366667	0.025					
i	0.304	0.3	0.305	0.303	0.303	0					
	rep 2	rep 3	avg	mg/ml [(y-yint)/m]	ul. dilution factor	ul. stock for 40ug	Stock needed for 10ul	PBS needed for 10ul	ul needed for 80ug/10ul		
0118-27 1x	1.159	1.105	1.427	1.23033333	3.308683684	135	656031	2.948634108	7.051365892	0118-27	5.897268215
0118-27 10x	0.565	0.676	0.59	0.61033333	0.981356356	40.23561061	0.994144227	9.941442268			4.102731785
0118-27 20x	0.451	0.604	0.533	0.52933333	0.677302302	27.76939439	1.440434726	14.40434726			4.922623534
0118-19 1x	1.302	1.442	1.374	1.37266667	3.842967968	157.5616867	0.253868823	2.53868823	7.461311767	0118-19	5.077376466
0118-19 10x	0.685	0.934	0.804	0.80766667	1.722097097	70.60598098	0.566524244	5.66524244			3.76059443
0118-19 20x	0.487	0.584	0.618	0.55633333	0.778653654	31.9247998	1.252944427	12.52944427			6.23940557
0118-53 1x	0.77	1.348	1.428	1.182	3.127252252	128.2173423	0.311970279	3.11970279	6.880297215	0118-53	5.082541422
0118-53 10x	0.512	0.476	0.559	0.51566667	0.626001001	25.66604104	1.558479546	15.58479546			4.937458578
0118-53 20x	0.422	0.438	0.448	0.436	0.326951952	13.40503003	2.983954524	29.83954524			5.90199292
0119-27 1x	1.293	1.517	1.317	1.37566667	3.854229229	158.0233984	0.253127071	2.53127071	7.468729289	0119-27	4.862079114
0119-27 10x	0.552	0.727	0.765	0.68133333	1.247872873	51.16278779	0.781818226	7.81818226			5.137920886
0119-27 20x	0.521	0.51	0.444	0.49166667	0.535910911	21.97234735	1.820470038	18.20470038			5.933168338
0117-6 1x	1.642	1.627	1.583	1.61733333	4.761386386	195.2168418	0.204900354	2.04900354	7.95099646	0117-6	4.066831662
0117-6 10x	0.667	0.728	1.039	0.81133333	1.735860861	71.1702953	0.562032233	5.62032233			
0117-6 20x	0.643	0.732	0.704	0.693	1.291666667	52.95833333	0.755310779	7.55310779			
0117-10 1x	1.132	1.601	1.521	1.418	4.013138138	164.5386637	0.243103956	2.43103956			
0117-10 10x	0.725	0.688	0.751	0.72133333	1.398023023	57.31894394	0.697849563	6.97849563			
0117-10 20x	0.449	0.495	0.482	0.47533333	0.4745996	19.45858358	2.055648081	20.55648081			
0117-26 1x	1.043	1.137	1.495	1.225	3.288663664	134.8352102	0.296658417	2.96658417			
0117-26 10x	0.563	0.598	0.596	0.58566667	0.888763764	36.43931431	1.097715496	10.97715496			
0117-26 20x	0.521	0.673	0.595	0.59633333	0.928803804	38.08095596	1.050393799	10.50393799			

