

RNA - DNA Report

Report time 2009-08-28 14:31:04
 Batch name C:\Documents and Settings\Ellenor Olsson\Desktop\iGEM\karl stuff\plasmid_prep_20099828_1.BDN
 Application RNA - DNA Estimation 3.00(184)
 Operator

Instrument Settings

Instrument Cary 50
 Instrument version no. 3,00
 Ordinate Mode Abs
 Ave Time (sec) 1,0000
 Replicates 3
 Wavelength 1 (nm) 260,0
 Wavelength 2 (nm) 280,0
 Background Correction ON
 Background Wavelength (nm) 320,0
 Protein Factor for 260,0 (P1) 757,3000
 Protein Factor for 280,0 (P2) 1552,0000
 Nucleic Factor for 260,0 (N1) 62,9000
 Nucleic Factor for 280,0 (N2) -36,0000

Ratio = (A[260,0] - Bg[320,0]) / (A[280,0] - Bg[320,0])
 Protein Conc = ((A[280,0] - Bg[320,0]) * P2) - ((A[260,0] - Bg[320,0]) * P1)
 Nucleic Acid Conc = ((A[260,0] - Bg[320,0]) * N1) + ((A[280,0] - Bg[320,0]) * N2)

Analysis

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Sample	A[260]	A[280]	Bg[320]	Ratio	Protein	Nucleic Acid	SD
%RSD Mean							
					µg/ml	µg/ml	
RBS+adh2 #2 d10	0,0087	0,0034	-0,0025	1,8981	0,6779	0,4933	
	0,0088	0,0035	-0,0026	1,8864	0,7480	0,5009	
	0,0091	0,0037	-0,0026	1,8495	0,9596	0,5092	0,0254
1,35 1,8780							
RBS+adh2 #2 d50	0,0410	0,0312	0,0167	1,6776	4,0725	1,0055	
	0,0408	0,0301	0,0165	1,7896	2,6727	1,0400	
	0,0409	0,0299	0,0168	1,8432	2,0466	1,0478	0,0845
4,77 1,7701							
RBS+adh2 #4 d10	0,1996	0,1909	0,1918	-9,0735	-7,2769	0,5241	
	0,2004	0,1910	0,1919	-9,4523	-7,8264	0,5666	
	0,3514	0,0066	-0,0015	43,3746	-254,6673	21,9082	30,3909
>100 8,2829	NOT VALID!!!!						
RBS+adh2 #4 d50	0,0472	0,0331	0,0164	1,8353	2,7196	1,3322	
	0,0478	0,0331	0,0164	1,8847	2,0776	1,3749	
	0,0475	0,0331	0,0162	1,8491	2,5676	1,3597	0,0255
1,37 1,8564							
RBS+pirB #3 d10	0,0061	0,0015	-0,0036	1,9210	0,4905	0,4279	
	0,0061	0,0016	-0,0035	1,8764	0,6659	0,4170	
	0,0061	0,0016	-0,0035	1,8604	0,7397	0,4187	0,0314
1,66 1,8859							
RBS+pirB #3 d50	0,0280	0,0187	0,0073	1,8100	2,0801	0,8933	
	0,0280	0,0185	0,0073	1,8586	1,6092	0,9013	
	0,0281	0,0181	0,0075	1,9379	0,8958	0,9118	0,0646
3,46 1,8689							
RBS+pirB #4 d10	0,0144	0,0086	0,0017	1,8304	1,1521	0,5498	
	0,0121	0,0047	-0,0017	2,1617	-0,5444	0,6396	
	0,0095	0,0033	-0,0023	2,1304	-0,3401	0,5433	0,1829
8,96 2,0409							

RBS+pirB #4 d50	0,0306	0,0189	0,0064	1,9304	1,1283	1,0695	
	0,0302	0,0186	0,0057	1,8929	1,5386	1,0782	
	0,0297	0,0184	0,0053	1,8656	1,8209	1,0643	0,0325
1,72	1,8963						