

02122014mecAkvantifikace

Experiment

Creation Date	12/2/2014 4:40:29 PM	Last Modified Date	12/3/2014 10:52:39 AM
Operator	LMDM	Owner	LMDM
Start Time	12/2/2014 4:50:05 PM	End Time	12/2/2014 5:51:22 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates		Plate ID	03413008
Test ID		Lot ID	
Color Comp ID			
Run Notes			

Programs

Program Name	Stage1						
Cycles	1	Analysis Mode	None				
Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
50	None	00:00:02	4.40		0	0	0
Program Name	Stage2						
Cycles	1	Analysis Mode	None				
Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:05:00	4.40		0	0	0
Program Name	Stage3						
Cycles	40	Analysis Mode	Quantification				
Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:00:10	4.40		0	0	0
60	Single	00:00:30	2.20		0	0	0
Program Name	Stage4						
Cycles	1	Analysis Mode	Melting Curves				
Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
95	None	00:00:15	4.40		0	0	0
60	None	00:01:00	2.20		0	0	0
95	Continuous		0.11	5	0	0	0

Program Name	cooling						
Cycles	1	Analysis Mode	None				
Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
40	None	00:00:01	2.20		0	0	0

Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
A1	JB chr. DNA		A1	
A2	JB chr. DNA		A1	
A3	JB chr. DNA		A1	
A4	JB chr. DNA		A4	
A5	JB chr. DNA		A4	
A6	JB chr. DNA		A4	
A7	JB chr. DNA		A7	
A8	JB chr. DNA		A7	
A9	JB chr. DNA		A7	
A10	JB chr. DNA		A10	
A11	JB chr. DNA		A10	
A12	JB chr. DNA		A10	
B1	JB chr. DNA		B1	
B2	JB chr. DNA		B1	
B3	JB chr. DNA		B1	
B4	JB chr. DNA		B4	
B5	JB chr. DNA		B4	
B6	JB chr. DNA		B4	
B7	JB chr. DNA		B7	
B8	JB chr. DNA		B7	
B9	JB chr. DNA		B7	
B10	non template		B10	
B11	non template		B10	
B12	non template		B10	
C1	07/629		C1	
C2	07/629		C1	
C3	07/629		C1	
C4	07/629redena		C4	
C5	07/629redena		C4	
C6	07/629redena		C4	
C7	07/759		C7	
C8	07/759		C7	
C9	07/759		C7	

Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
C10	07/759redena		C10	
C11	07/759redena		C10	
C12	07/759redena		C10	
D1	Sample 37			
D2	Sample 38			
D3	Sample 39			
D4	Sample 40			
D5	Sample 41			
D6	Sample 42			
D7	Sample 43			
D8	Sample 44			
D9	Sample 45			
D10	Sample 46			
D11	Sample 47			
D12	Sample 48			
E1	Sample 49			
E2	Sample 50			
E3	Sample 51			
E4	Sample 52			
E5	Sample 53			
E6	Sample 54			
E7	Sample 55			
E8	Sample 56			
E9	Sample 57			
E10	Sample 58			
E11	Sample 59			
E12	Sample 60			
F1	Sample 61			
F2	Sample 62			
F3	Sample 63			
F4	Sample 64			
F5	Sample 65			
F6	Sample 66			
F7	Sample 67			
F8	Sample 68			
F9	Sample 69			
F10	Sample 70			
F11	Sample 71			
F12	Sample 72			

Samples

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
G1	Sample 73			
G2	Sample 74			
G3	Sample 75			
G4	Sample 76			
G5	Sample 77			
G6	Sample 78			
G7	Sample 79			
G8	Sample 80			
G9	Sample 81			
G10	Sample 82			
G11	Sample 83			
G12	Sample 84			
H1	Sample 85			
H2	Sample 86			
H3	Sample 87			
H4	Sample 88			
H5	Sample 89			
H6	Sample 90			
H7	Sample 91			
H8	Sample 92			
H9	Sample 93			
H10	Sample 94			
H11	Sample 95			
H12	Sample 96			

Revision History

Revision	Date	User	Reason

Abs Quant/2nd Derivative Max for All Samples (Abs Quant/2nd Derivative Max)

Settings

Channel	465-510		
Color Compensation	Off		
Program	Stage3	Units	
Mode	High Confidence		

Subset Name	All Samples
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> - Late Cp call (last five cycles) has higher uncertainty, E - Extrapolated concentration in standard curve

Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	JB chr. DNA	Standard	13.52	2.58E1	3.00E1	
<input checked="" type="checkbox"/>	A2	JB chr. DNA	Standard	13.71	2.29E1	3.00E1	
<input checked="" type="checkbox"/>	A3	JB chr. DNA	Standard	13.32	2.93E1	3.00E1	
<input checked="" type="checkbox"/>	A4	JB chr. DNA	Standard	16.63	3.52E0	3.00E0	
<input checked="" type="checkbox"/>	A5	JB chr. DNA	Standard	16.60	3.59E0	3.00E0	
<input type="checkbox"/>	A6	JB chr. DNA	Standard			3.00E0	
<input checked="" type="checkbox"/>	A7	JB chr. DNA	Standard	20.44	3.05E-1	3.00E-1	
<input checked="" type="checkbox"/>	A8	JB chr. DNA	Standard	31.37	2.76E-4	3.00E-1	
<input checked="" type="checkbox"/>	A9	JB chr. DNA	Standard	20.46	3.02E-1	3.00E-1	
<input checked="" type="checkbox"/>	A10	JB chr. DNA	Standard	23.89	3.33E-2	3.00E-2	
<input checked="" type="checkbox"/>	A11	JB chr. DNA	Standard	23.80	3.53E-2	3.00E-2	
<input checked="" type="checkbox"/>	A12	JB chr. DNA	Standard	24.21	2.71E-2	3.00E-2	
<input checked="" type="checkbox"/>	B1	JB chr. DNA	Standard	27.87	2.60E-3	3.00E-3	
<input checked="" type="checkbox"/>	B2	JB chr. DNA	Standard	27.95	2.47E-3	3.00E-3	
<input checked="" type="checkbox"/>	B3	JB chr. DNA	Standard	28.00	2.39E-3	3.00E-3	
<input checked="" type="checkbox"/>	B4	JB chr. DNA	Standard	30.89	3.74E-4	3.00E-4	
<input checked="" type="checkbox"/>	B5	JB chr. DNA	Standard	31.13	3.20E-4	3.00E-4	
<input checked="" type="checkbox"/>	B6	JB chr. DNA	Standard	31.22	3.04E-4	3.00E-4	
<input checked="" type="checkbox"/>	B7	JB chr. DNA	Standard	31.93	1.93E-4	3.00E-5	
<input checked="" type="checkbox"/>	B8	JB chr. DNA	Standard	35.00	2.68E-5	3.00E-5	>
<input checked="" type="checkbox"/>	B9	JB chr. DNA	Standard	35.00	2.68E-5	3.00E-5	>
<input type="checkbox"/>	B10	non template	Negative Control				
<input type="checkbox"/>	B11	non template	Negative Control				
<input type="checkbox"/>	B12	non template	Negative Control				
<input checked="" type="checkbox"/>	C1	07/629	Unknown	10.14	2.27E2		E
<input checked="" type="checkbox"/>	C2	07/629	Unknown	11.48	9.56E1		E
<input checked="" type="checkbox"/>	C3	07/629	Unknown	11.36	1.04E2		E
<input checked="" type="checkbox"/>	C4	07/629redena	Unknown	14.96	1.02E1		
<input checked="" type="checkbox"/>	C5	07/629redena	Unknown	15.17	8.96E0		
<input checked="" type="checkbox"/>	C6	07/629redena	Unknown	15.04	9.75E0		
<input checked="" type="checkbox"/>	C7	07/759	Unknown	12.74	4.27E1		E
<input checked="" type="checkbox"/>	C8	07/759	Unknown	12.85	3.97E1		E
<input checked="" type="checkbox"/>	C9	07/759	Unknown	12.84	3.99E1		E
<input checked="" type="checkbox"/>	C10	07/759redena	Unknown	16.20	4.63E0		
<input checked="" type="checkbox"/>	C11	07/759redena	Unknown	16.27	4.43E0		
<input checked="" type="checkbox"/>	C12	07/759redena	Unknown	16.29	4.36E0		
<input checked="" type="checkbox"/>	D1	Sample 37	Unknown				

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Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	D2	Sample 38	Unknown				
<input checked="" type="checkbox"/>	D3	Sample 39	Unknown				
<input checked="" type="checkbox"/>	D4	Sample 40	Unknown				
<input checked="" type="checkbox"/>	D5	Sample 41	Unknown				
<input checked="" type="checkbox"/>	D6	Sample 42	Unknown				
<input checked="" type="checkbox"/>	D7	Sample 43	Unknown				
<input checked="" type="checkbox"/>	D8	Sample 44	Unknown				
<input checked="" type="checkbox"/>	D9	Sample 45	Unknown				
<input checked="" type="checkbox"/>	D10	Sample 46	Unknown				
<input checked="" type="checkbox"/>	D11	Sample 47	Unknown				
<input checked="" type="checkbox"/>	D12	Sample 48	Unknown				
<input checked="" type="checkbox"/>	E1	Sample 49	Unknown				
<input checked="" type="checkbox"/>	E2	Sample 50	Unknown				
<input checked="" type="checkbox"/>	E3	Sample 51	Unknown				
<input checked="" type="checkbox"/>	E4	Sample 52	Unknown				
<input checked="" type="checkbox"/>	E5	Sample 53	Unknown				
<input checked="" type="checkbox"/>	E6	Sample 54	Unknown				
<input checked="" type="checkbox"/>	E7	Sample 55	Unknown				
<input checked="" type="checkbox"/>	E8	Sample 56	Unknown				
<input checked="" type="checkbox"/>	E9	Sample 57	Unknown				
<input checked="" type="checkbox"/>	E10	Sample 58	Unknown				
<input checked="" type="checkbox"/>	E11	Sample 59	Unknown				
<input checked="" type="checkbox"/>	E12	Sample 60	Unknown				
<input checked="" type="checkbox"/>	F1	Sample 61	Unknown				
<input checked="" type="checkbox"/>	F2	Sample 62	Unknown				
<input checked="" type="checkbox"/>	F3	Sample 63	Unknown				
<input checked="" type="checkbox"/>	F4	Sample 64	Unknown				
<input checked="" type="checkbox"/>	F5	Sample 65	Unknown				
<input checked="" type="checkbox"/>	F6	Sample 66	Unknown				
<input checked="" type="checkbox"/>	F7	Sample 67	Unknown				
<input checked="" type="checkbox"/>	F8	Sample 68	Unknown				
<input checked="" type="checkbox"/>	F9	Sample 69	Unknown				
<input checked="" type="checkbox"/>	F10	Sample 70	Unknown				
<input checked="" type="checkbox"/>	F11	Sample 71	Unknown				
<input checked="" type="checkbox"/>	F12	Sample 72	Unknown				
<input checked="" type="checkbox"/>	G1	Sample 73	Unknown	18.10	1.37E0		
<input checked="" type="checkbox"/>	G2	Sample 74	Unknown				

> - Late Cp call (last five cycles) has higher uncertainty, E - Extrapolated concentration in standard curve

Results

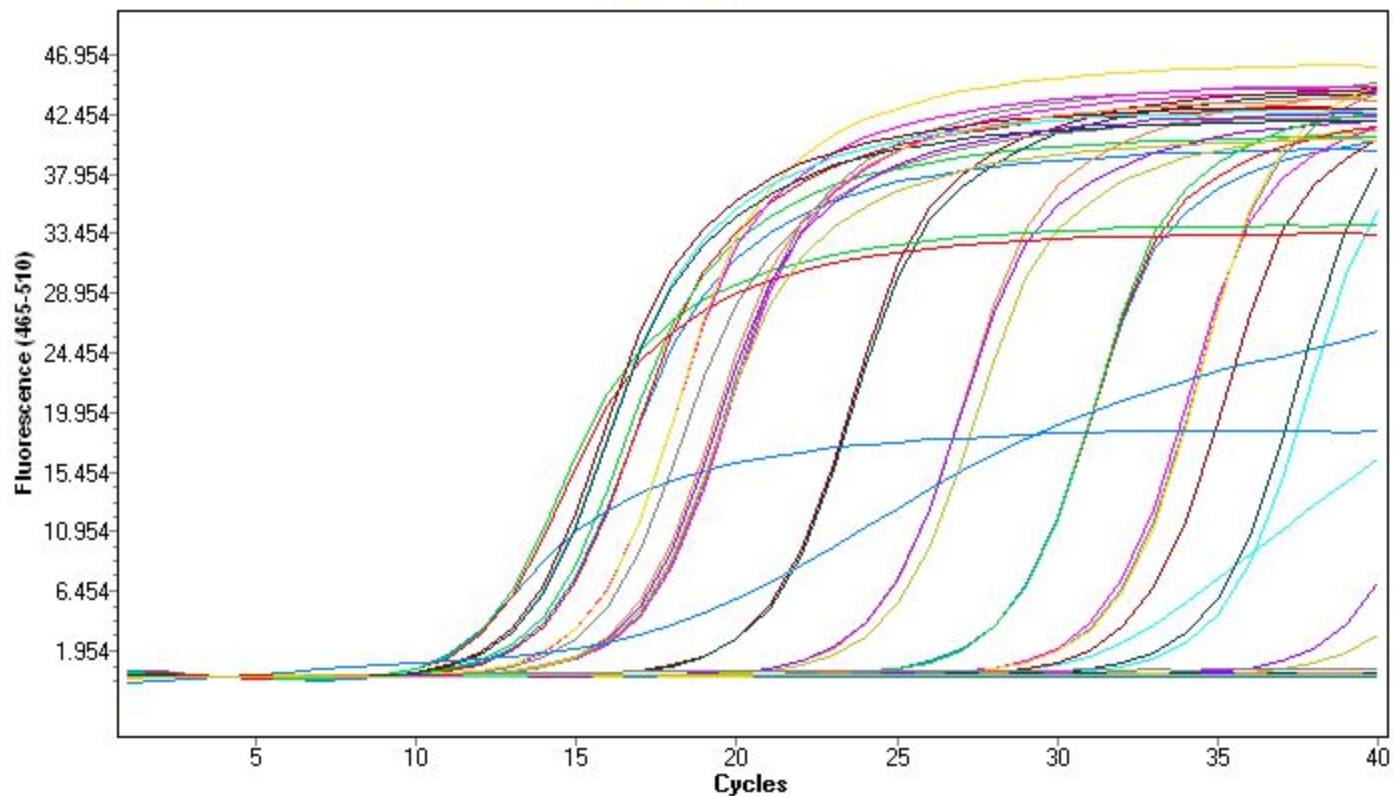
Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	G3	Sample 75	Unknown				
<input checked="" type="checkbox"/>	G4	Sample 76	Unknown				
<input checked="" type="checkbox"/>	G5	Sample 77	Unknown				
<input checked="" type="checkbox"/>	G6	Sample 78	Unknown				
<input checked="" type="checkbox"/>	G7	Sample 79	Unknown				
<input checked="" type="checkbox"/>	G8	Sample 80	Unknown				
<input checked="" type="checkbox"/>	G9	Sample 81	Unknown				
<input checked="" type="checkbox"/>	G10	Sample 82	Unknown				
<input checked="" type="checkbox"/>	G11	Sample 83	Unknown				
<input checked="" type="checkbox"/>	G12	Sample 84	Unknown				
<input checked="" type="checkbox"/>	H1	Sample 85	Unknown				
<input checked="" type="checkbox"/>	H2	Sample 86	Unknown				
<input checked="" type="checkbox"/>	H3	Sample 87	Unknown				
<input checked="" type="checkbox"/>	H4	Sample 88	Unknown				
<input checked="" type="checkbox"/>	H5	Sample 89	Unknown				
<input checked="" type="checkbox"/>	H6	Sample 90	Unknown				
<input checked="" type="checkbox"/>	H7	Sample 91	Unknown				
<input checked="" type="checkbox"/>	H8	Sample 92	Unknown				
<input checked="" type="checkbox"/>	H9	Sample 93	Unknown				
<input checked="" type="checkbox"/>	H10	Sample 94	Unknown				
<input checked="" type="checkbox"/>	H11	Sample 95	Unknown				
<input checked="" type="checkbox"/>	H12	Sample 96	Unknown				

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Statistics

Samples	Mean Cp	Std Cp	Mean conc	Std conc
A1, A2, A3	13.52	0.19	2.60E1	3.20E0
A4, A5	16.61	0.02	3.56E0	5.15E-2
A7, A8, A9	24.09	6.30	2.03E-1	1.75E-1
A10, A11, A12	23.97	0.22	3.19E-2	4.27E-3
B1, B2, B3	27.94	0.07	2.49E-3	1.09E-4
B4, B5, B6	31.08	0.17	3.33E-4	3.67E-5
B7, B8, B9	33.98	1.77	8.22E-5	9.58E-5
C1, C2, C3	10.99	0.74	1.42E2	7.34E1
C4, C5, C6	15.06	0.11	9.65E0	6.44E-1
C7, C8, C9	12.81	0.06	4.08E1	1.69E0
C10, C11, C12	16.25	0.05	4.47E0	1.37E-1

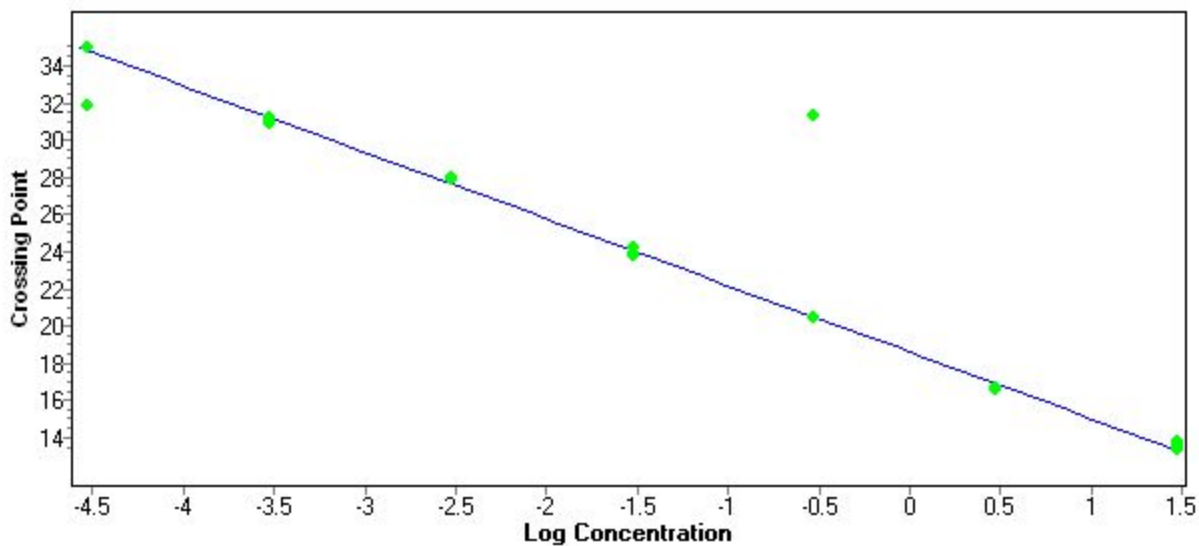
Amplification Curves



Standard Curve

— Std. curve ● Samples

Error: 0.0213
 Efficiency: 1.899
 Slope: -3.590
 YIntercept: 18.59
 Link: 0.000



Analysis Notes