

181211blaZ

Experiment

Creation Date	12/11/2018 12:16:39 PM	Last Modified Date	12/11/2018 3:23:55 PM
Operator	LMDM	Owner	LMDM
Start Time	12/11/2018 12:29:47 PM	End Time	12/11/2018 1:45:55 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	blaZ kvantifikace cviko	Plate ID	04573928
Test ID		Lot ID	
Color Comp ID			
Run Notes	dhghrhjdrjj. u,ldr,r,.ryr.ru.;,;d		

Programs

Program Name	stage 1						
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	00:02:00	4.40		0	0	0
Program Name	stage 2						
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	stage 3						
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	None	00:00:30	2.20		0	0	0
72	Single	00:00:15	4.40		0	0	0
Program Name	stage 4						
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

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	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	00:01:00	2.20		0	0	0

### Samples

Sample Count	96
Subset	All Samples

Pos	Name	ID	Repl. Of	Sample Notes
A1	blaZ pLJB		A1	
A2	blaZ pLJB		A1	
A3	blaZ pLJB		A1	
A4	Sample 4		A4	
A5	Sample 4		A4	
A6	Sample 4		A4	
A7	Sample 7		A7	
A8	Sample 7		A7	
A9	Sample 7		A7	
A10	Sample 10		A10	
A11	Sample 10		A10	
A12	Sample 10		A10	
B1	Sample 13		B1	
B2	Sample 13		B1	
B3	Sample 13		B1	
B4	Sample 16		B4	
B5	Sample 16		B4	
B6	Sample 16		B4	
B7	Sample 19			
B8	Sample 20			
B9	Sample 21			
B10	Sample 22			
B11	Sample 23			
B12	Sample 24			
C1	H2O		C1	
C2	H2O		C1	
C3	H2O		C1	
C4	T1		C4	
C5	T1		C4	
C6	T1		C4	

**Samples**

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
C7	T2		C7	
C8	T2		C7	
C9	T2		C7	
C10	T3		C10	
C11	T3		C10	
C12	T3		C10	
D1	T4		D1	
D2	T4		D1	
D3	T4		D1	
D4	T5		D4	
D5	T5		D4	
D6	T5		D4	
D7	T6		D7	
D8	T6		D7	
D9	T6		D7	
D10	T7		D10	
D11	T7		D10	
D12	T7		D10	
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			

**Samples**

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
F10	Sample 70			
F11	Sample 71			
F12	Sample 72			
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			

**Instrument**

Name	29712	Serial Number	29712
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**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	stage 3	Units	
Mode	High Confidence		

Subset Name	All Samples
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## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	A1	blaZ pLJB	Standard	13.10	9.89E3	1.46E4	
<input checked="" type="checkbox"/>	A2	blaZ pLJB	Standard	12.32	1.76E4	1.46E4	
<input checked="" type="checkbox"/>	A3	blaZ pLJB	Standard	12.10	2.08E4	1.46E4	
<input checked="" type="checkbox"/>	A4	Sample 4	Standard	15.94	1.22E3	1.46E3	
<input checked="" type="checkbox"/>	A5	Sample 4	Standard	15.67	1.48E3	1.46E3	
<input checked="" type="checkbox"/>	A6	Sample 4	Standard	15.05	2.34E3	1.46E3	
<input checked="" type="checkbox"/>	A7	Sample 7	Standard	19.59	8.15E1	1.46E2	
<input checked="" type="checkbox"/>	A8	Sample 7	Standard	18.25	2.20E2	1.46E2	
<input checked="" type="checkbox"/>	A9	Sample 7	Standard	19.35	9.73E1	1.46E2	
<input checked="" type="checkbox"/>	A10	Sample 10	Standard	21.72	1.69E1	1.46E1	
<input checked="" type="checkbox"/>	A11	Sample 10	Standard	21.84	1.55E1	1.46E1	
<input checked="" type="checkbox"/>	A12	Sample 10	Standard	23.78	3.69E0	1.46E1	
<input checked="" type="checkbox"/>	B1	Sample 13	Standard	24.44	2.26E0	1.46E0	
<input checked="" type="checkbox"/>	B2	Sample 13	Standard	24.91	1.60E0	1.46E0	
<input checked="" type="checkbox"/>	B3	Sample 13	Standard	24.88	1.63E0	1.46E0	
<input checked="" type="checkbox"/>	B4	Sample 16	Standard	28.10	1.51E-1	1.46E-1	
<input checked="" type="checkbox"/>	B5	Sample 16	Standard	27.81	1.87E-1	1.46E-1	
<input checked="" type="checkbox"/>	B6	Sample 16	Standard	28.48	1.13E-1	1.46E-1	
<input checked="" type="checkbox"/>	B7	Sample 19	Unknown				
<input checked="" type="checkbox"/>	B8	Sample 20	Unknown				
<input checked="" type="checkbox"/>	B9	Sample 21	Unknown				
<input checked="" type="checkbox"/>	B10	Sample 22	Unknown				
<input checked="" type="checkbox"/>	B11	Sample 23	Unknown				
<input checked="" type="checkbox"/>	B12	Sample 24	Unknown				
<input checked="" type="checkbox"/>	C1	H2O	Negative Control				
<input checked="" type="checkbox"/>	C2	H2O	Negative Control				
<input checked="" type="checkbox"/>	C3	H2O	Negative Control	35.00	9.16E-4		>
<input checked="" type="checkbox"/>	C4	T1	Unknown	10.96	4.80E4		E
<input checked="" type="checkbox"/>	C5	T1	Unknown	11.32	3.70E4		E
<input checked="" type="checkbox"/>	C6	T1	Unknown	11.09	4.37E4		E

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

**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C7	T2	Unknown	15.64	1.51E3		
<input checked="" type="checkbox"/>	C8	T2	Unknown	11.94	2.33E4		E
<input checked="" type="checkbox"/>	C9	T2	Unknown	14.99	2.45E3		
<input checked="" type="checkbox"/>	C10	T3	Unknown	10.62	6.20E4		E
<input checked="" type="checkbox"/>	C11	T3	Unknown	10.66	6.00E4		E
<input checked="" type="checkbox"/>	C12	T3	Unknown	10.62	6.19E4		E
<input checked="" type="checkbox"/>	D1	T4	Unknown				
<input checked="" type="checkbox"/>	D2	T4	Unknown	33.36	3.07E-3		E
<input checked="" type="checkbox"/>	D3	T4	Unknown	33.19	3.50E-3		?, E
<input checked="" type="checkbox"/>	D4	T5	Unknown	35.00	9.16E-4		>, E
<input checked="" type="checkbox"/>	D5	T5	Unknown	35.00	9.16E-4		>, E
<input checked="" type="checkbox"/>	D6	T5	Unknown	35.00	9.16E-4		>, E
<input checked="" type="checkbox"/>	D7	T6	Unknown	32.73	4.89E-3		E
<input checked="" type="checkbox"/>	D8	T6	Unknown	31.66	1.08E-2		E
<input checked="" type="checkbox"/>	D9	T6	Unknown	32.28	6.87E-3		E
<input checked="" type="checkbox"/>	D10	T7	Unknown	35.00	9.16E-4		?, >, E
<input checked="" type="checkbox"/>	D11	T7	Unknown	35.00	9.16E-4		>, E
<input checked="" type="checkbox"/>	D12	T7	Unknown	35.00	9.16E-4		>, E
<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				

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

## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<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				
<input checked="" type="checkbox"/>	G2	Sample 74	Unknown				
<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				

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

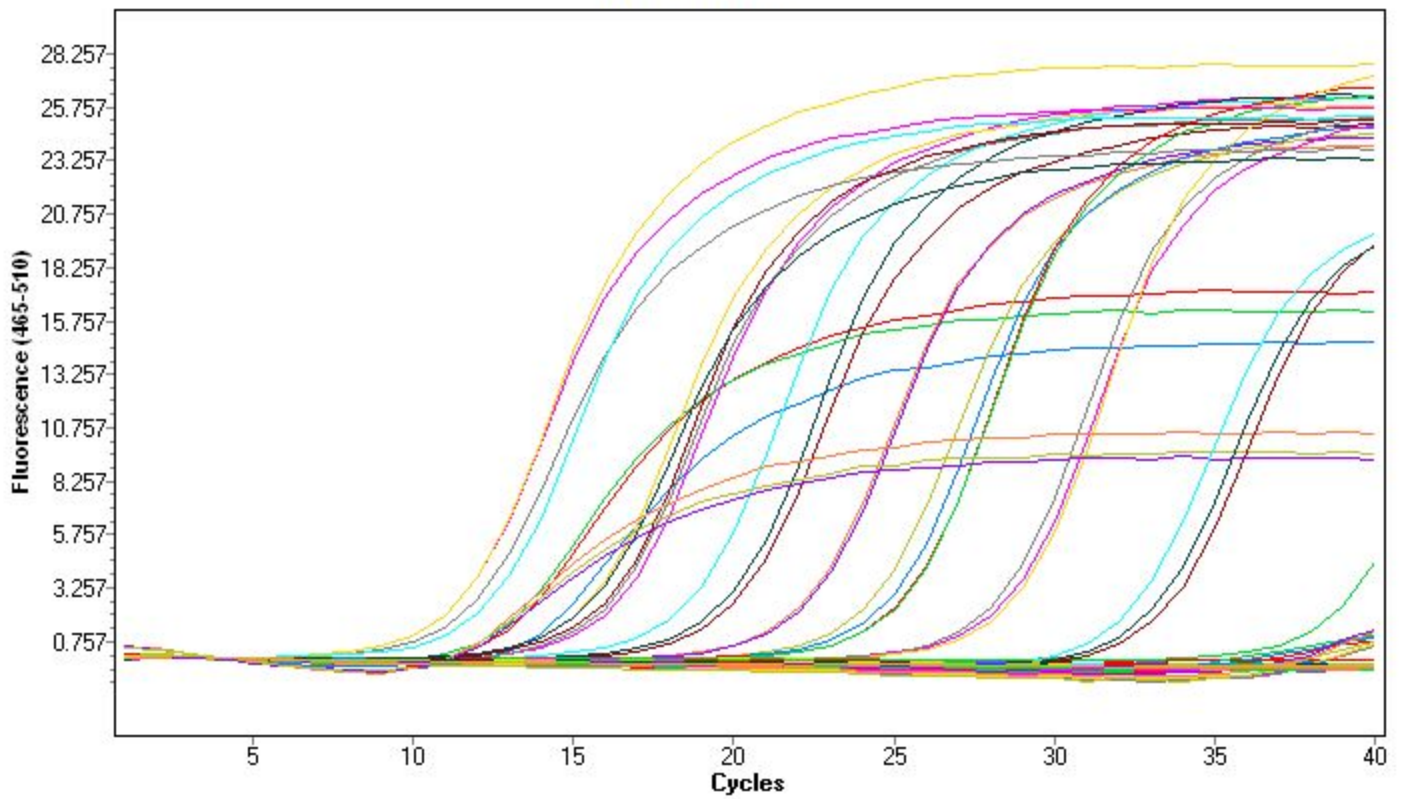
## Statistics

Samples	Mean Cp	Std Cp	Mean conc	Std conc
A1, A2, A3	12.50	0.53	1.61E4	5.62E3
A4, A5, A6	15.55	0.46	1.68E3	5.89E2
A7, A8, A9	19.06	0.72	1.33E2	7.57E1
A10, A11, A12	22.44	1.16	1.20E1	7.24E0
B1, B2, B3	24.74	0.26	1.83E0	3.74E-1

**Statistics**

Samples	Mean Cp	Std Cp	Mean conc	Std conc
B4, B5, B6	28.13	0.34	1.50E-1	3.66E-2
C1, C2, C3	35.00		9.16E-4	
C4, C5, C6	11.12	0.18	4.29E4	5.54E3
C7, C8, C9	14.19	1.97	9.09E3	1.23E4
C10, C11, C12	10.63	0.03	6.13E4	1.15E3
D1, D2, D3	33.28	0.12	3.29E-3	3.00E-4
D4, D5, D6	35.00		9.16E-4	1.33E-19
D7, D8, D9	32.22	0.54	7.54E-3	3.03E-3
D10, D11, D12	35.00		9.16E-4	1.33E-19

Amplification Curves

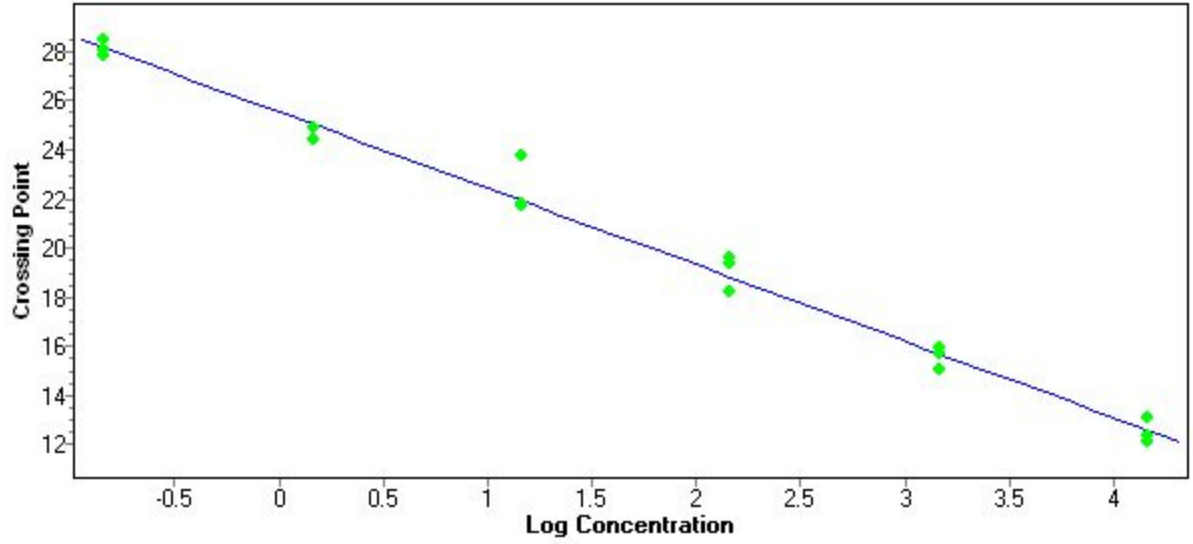




Standard Curve

— Std. curve    ◆ Samples

Error: 0.105  
Efficiency: 2.095  
Slope: -3.114  
YIntercept: 25.54  
Link: 0.000



Analysis Notes