

**20231212cviceni2blaZ**

**Experiment**

Creation Date	12/12/2023 2:43:20 PM	Last Modified Date	12/12/2023 4:47:45 PM
Operator	LMDM	Owner	LMDM
Start Time	12/12/2023 3:33:43 PM	End Time	12/12/2023 4:46:11 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	02122014blaZkvantifikace Run Protocol, 1_11_2022_PRAKTIKUM_SAU Run Protocol, gene blaZ absolute quantification SYBER GREEN, 1_11_2022_PRAKTIKUM_SAU Run Protocol	Plate ID	B8681963
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	00:00:10	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	00:00:05	4.40		0	0	0
65	None	00:01:00	2.20		0	0	0
97	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	JB blaZ			
A2	JB blaZ			
A3	JB blaZ			
A4	Sample 4			
A5	Sample 5			
A6	Sample 6			
A7	Sample 7			
A8	Sample 8			
A9	Sample 9			
A10	Sample 10			
A11	Sample 11			
A12	Sample 12			
B1	Sample 13			
B2	Sample 14			
B3	Sample 15			
B4	Sample 16			
B5	Sample 17			
B6	Sample 18			
B7	Sample 19			
B8	Sample 20			
B9	Sample 21			
B10	Sample 22			
B11	Sample 23			
B12	Sample 24			
C1	Tr 1			
C2	Tr 1			
C3	Tr 1			
C4	Tr 1 10*			

**Samples**

Sample Count		96		
Subset		All Samples		
Pos	Name	ID	Repl. Of	Sample Notes
C5	Tr 1 10*			
C6	Tr 1 10*			
C7	Sample 31			
C8	Sample 32			
C9	Sample 33			
C10	Sample 34			
C11	Sample 35			
C12	Sample 36			
D1	Tr 2			
D2	Tr 2			
D3	Tr 2			
D4	Tr 2 10*			
D5	Tr 2 10*			
D6	Tr 2 10*			
D7	Sample 43			
D8	Sample 44			
D9	Sample 45			
D10	Sample 46			
D11	Sample 47			
D12	Sample 48			
E1	H2O			
E2	H2O			
E3	H2O			
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			

**Samples**

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
F8	Sample 68			
F9	Sample 69			
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
------	-------	---------------	-------

**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
-------------	-------------

## Results

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input type="checkbox"/>	A1	JB blaZ	Standard			2.43E3	
<input checked="" type="checkbox"/>	A2	JB blaZ	Standard	17.47	3.09E3	2.43E3	
<input checked="" type="checkbox"/>	A3	JB blaZ	Standard	17.83	2.37E3	2.43E3	
<input checked="" type="checkbox"/>	A4	Sample 4	Standard	21.13	2.05E2	2.43E2	
<input checked="" type="checkbox"/>	A5	Sample 5	Standard	21.82	1.23E2	2.43E2	
<input checked="" type="checkbox"/>	A6	Sample 6	Standard	20.59	3.06E2	2.43E2	
<input checked="" type="checkbox"/>	A7	Sample 7	Standard	24.02	2.38E1	2.43E1	
<input type="checkbox"/>	A8	Sample 8	Standard			2.43E1	
<input checked="" type="checkbox"/>	A9	Sample 9	Standard	23.56	3.37E1	2.43E1	
<input checked="" type="checkbox"/>	A10	Sample 10	Standard	27.55	1.73E0	2.43E0	
<input checked="" type="checkbox"/>	A11	Sample 11	Standard	27.45	1.86E0	2.43E0	
<input checked="" type="checkbox"/>	A12	Sample 12	Standard	27.87	1.37E0	2.43E0	
<input checked="" type="checkbox"/>	B1	Sample 13	Standard	30.24	2.34E-1	2.43E-1	
<input checked="" type="checkbox"/>	B2	Sample 14	Standard	29.76	3.35E-1	2.43E-1	
<input checked="" type="checkbox"/>	B3	Sample 15	Standard	29.86	3.11E-1	2.43E-1	
<input checked="" type="checkbox"/>	B4	Sample 16	Standard	32.87	2.58E-2	2.43E-2	
<input checked="" type="checkbox"/>	B5	Sample 17	Standard	33.36	1.62E-2	2.43E-2	
<input checked="" type="checkbox"/>	B6	Sample 18	Standard	32.93	2.43E-2	2.43E-2	
<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	30.41	2.06E-1		
<input checked="" type="checkbox"/>	B11	Sample 23	Unknown				
<input checked="" type="checkbox"/>	B12	Sample 24	Unknown	31.83	6.43E-2		
<input checked="" type="checkbox"/>	C1	Tr 1	Unknown	16.68	5.57E3		E
<input checked="" type="checkbox"/>	C2	Tr 1	Unknown	16.28	7.51E3		E
<input checked="" type="checkbox"/>	C3	Tr 1	Unknown	16.89	4.78E3		E
<input checked="" type="checkbox"/>	C4	Tr 1 10*	Unknown	19.99	4.78E2		
<input checked="" type="checkbox"/>	C5	Tr 1 10*	Unknown	20.18	4.14E2		
<input checked="" type="checkbox"/>	C6	Tr 1 10*	Unknown	20.17	4.17E2		

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

**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C7	Sample 31	Unknown				
<input checked="" type="checkbox"/>	C8	Sample 32	Unknown				
<input checked="" type="checkbox"/>	C9	Sample 33	Unknown				
<input checked="" type="checkbox"/>	C10	Sample 34	Unknown				
<input checked="" type="checkbox"/>	C11	Sample 35	Unknown				
<input checked="" type="checkbox"/>	C12	Sample 36	Unknown				
<input checked="" type="checkbox"/>	D1	Tr 2	Unknown	33.30	1.73E-2		E
<input checked="" type="checkbox"/>	D2	Tr 2	Unknown	33.38	1.60E-2		E
<input checked="" type="checkbox"/>	D3	Tr 2	Unknown	34.01	8.73E-3		E
<input checked="" type="checkbox"/>	D4	Tr 2 10*	Unknown	35.00	3.20E-3		>, E
<input checked="" type="checkbox"/>	D5	Tr 2 10*	Unknown	35.00	3.20E-3		>, E
<input checked="" type="checkbox"/>	D6	Tr 2 10*	Unknown	35.00	3.20E-3		>, E
<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	H2O	Negative Control	35.00	3.20E-3		>
<input checked="" type="checkbox"/>	E2	H2O	Negative Control	35.00	3.20E-3		>
<input checked="" type="checkbox"/>	E3	H2O	Negative Control	35.00	3.20E-3		>
<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	32.00	5.55E-2		
<input checked="" type="checkbox"/>	E12	Sample 60	Unknown	31.67	7.41E-2		?
<input checked="" type="checkbox"/>	F1	Sample 61	Unknown	23.02	5.04E1		?
<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	33.30	1.71E-2		E
<input checked="" type="checkbox"/>	F7	Sample 67	Unknown				

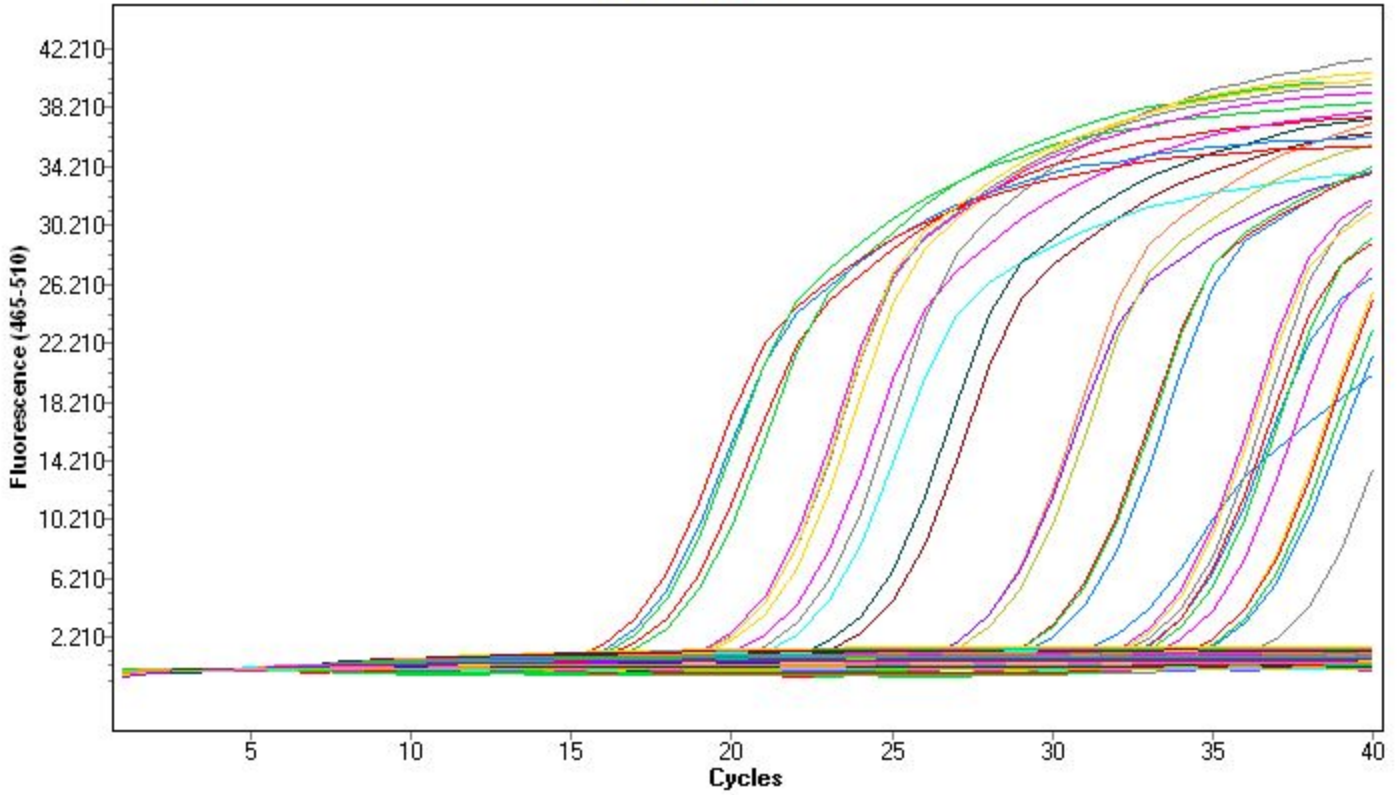
E - Extrapolated concentration in standard curve, > - Late Cp call (last five cycles) has higher uncertainty, ? - Detector Call uncertain

**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	F8	Sample 68	Unknown	22.70	6.36E1		
<input checked="" type="checkbox"/>	F9	Sample 69	Unknown				
<input checked="" type="checkbox"/>	F10	Sample 70	Unknown	32.39	3.95E-2		
<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	25.13	1.05E1		?
<input checked="" type="checkbox"/>	H12	Sample 96	Unknown				

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

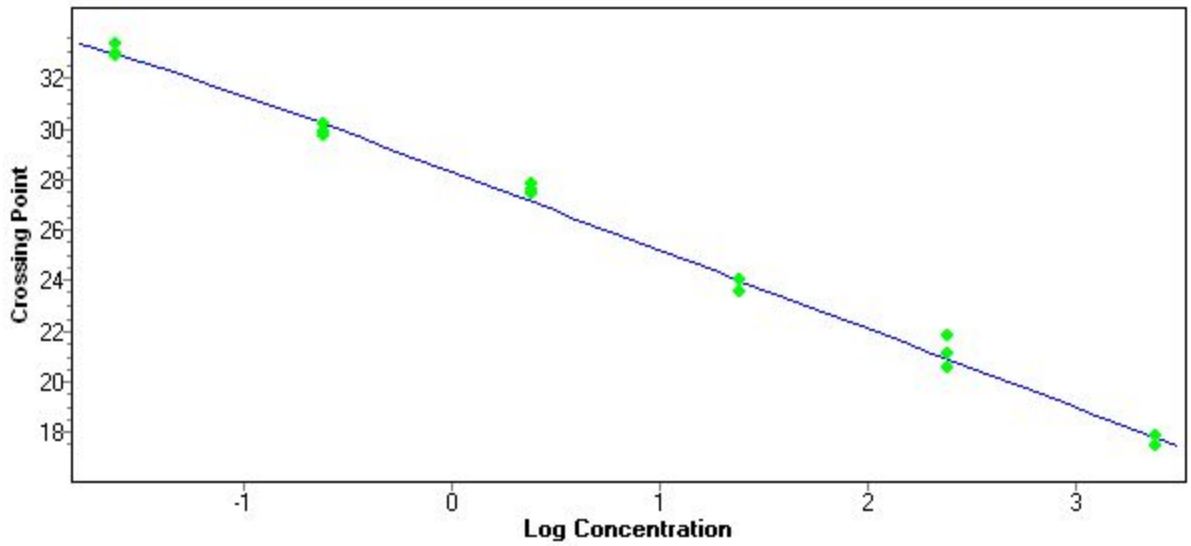
Amplification Curves



Standard Curve



Error: 0.0355  
Efficiency: 2.102  
Slope: -3.099  
YIntercept: 28.29  
Link: 0.311



Analysis Notes