

**20231212SAU**

**Experiment**

Creation Date	12/12/2023 4:51:34 PM	Last Modified Date	12/13/2023 12:43:45 PM
Operator	LMDM	Owner	LMDM
Start Time	12/12/2023 4:55:42 PM	End Time	12/12/2023 6:08:05 PM
Run State	Completed	Software Version	LCS480 1.5.1.62
Macro		Macro Owner	
Macro Status			
Templates	1_11_2022_PRAKTIKUM_SAU Run Protocol	Plate ID	B8681962
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

Target (°C)	Acquisition Mode	Hold (hh:mm:ss)	Ramp Rate (°C/s)	Acquisitions (per °C)	Sec Target (°C)	Step size (°C)	Step Delay (cycles)
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	SAU			
A2	SAU			
A3	SAU			
A4	SAU			
A5	SAU			
A6	SAU			
A7	SAU			
A8	SAU			
A9	SAU			
A10	SAU			
A11	SAU			
A12	SAU			
B1	SAU			
B2	SAU			
B3	SAU			
B4	SAU			
B5	SAU			
B6	SAU			
B7	blaZ			
B8	blaZ			
B9	blaZ			
B10	blaZ 10*			
B11	blaZ 10*			
B12	blaZ 10*			
C1	tetK			
C2	tetK			
C3	tetK			
C4	tetK 10*			
C5	tetK 10*			

**Samples**

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
C6	tetK 10*			
C7	H2O			
C8	H2O			
C9	H2O			
C10	SAU			
C11	SAU			
C12	SAU			
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			

**Samples**

Sample Count	96			
Subset	All Samples			
Pos	Name	ID	Repl. Of	Sample Notes
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
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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	SAU	Standard	15.33	5.68E4	2.42E4	
<input checked="" type="checkbox"/>	A2	SAU	Standard	15.10	7.02E4	2.42E4	
<input checked="" type="checkbox"/>	A3	SAU	Standard	14.71	1.01E5	2.42E4	
<input checked="" type="checkbox"/>	A4	SAU	Standard	21.13	2.44E2	2.42E3	
<input checked="" type="checkbox"/>	A5	SAU	Standard	19.81	8.42E2	2.42E3	
<input checked="" type="checkbox"/>	A6	SAU	Standard	18.57	2.71E3	2.42E3	
<input checked="" type="checkbox"/>	A7	SAU	Standard	23.28	3.25E1	2.42E2	
<input checked="" type="checkbox"/>	A8	SAU	Standard	22.95	4.43E1	2.42E2	
<input checked="" type="checkbox"/>	A9	SAU	Standard	22.56	6.38E1	2.42E2	
<input checked="" type="checkbox"/>	A10	SAU	Standard	23.28	3.25E1	2.42E1	
<input checked="" type="checkbox"/>	A11	SAU	Standard	23.08	3.93E1	2.42E1	
<input checked="" type="checkbox"/>	A12	SAU	Standard	22.69	5.66E1	2.42E1	
<input checked="" type="checkbox"/>	B1	SAU	Standard	25.74	3.24E0	2.42E0	
<input checked="" type="checkbox"/>	B2	SAU	Standard	18.18	3.92E3	2.42E0	
<input checked="" type="checkbox"/>	B3	SAU	Standard	26.68	1.34E0	2.42E0	
<input checked="" type="checkbox"/>	B4	SAU	Standard	27.55	5.91E-1	2.42E-1	
<input checked="" type="checkbox"/>	B5	SAU	Standard	27.51	6.15E-1	2.42E-1	
<input type="checkbox"/>	B6	SAU	Standard			2.42E-1	
<input checked="" type="checkbox"/>	B7	blaZ	Unknown	19.68	9.59E2		
<input checked="" type="checkbox"/>	B8	blaZ	Unknown	19.57	1.06E3		
<input checked="" type="checkbox"/>	B9	blaZ	Unknown	19.80	8.55E2		
<input checked="" type="checkbox"/>	B10	blaZ 10*	Unknown	22.47	6.94E1		
<input checked="" type="checkbox"/>	B11	blaZ 10*	Unknown	21.97	1.11E2		
<input checked="" type="checkbox"/>	B12	blaZ 10*	Unknown	23.43	2.83E1		
<input checked="" type="checkbox"/>	C1	tetK	Unknown	18.68	2.43E3		
<input checked="" type="checkbox"/>	C2	tetK	Unknown	18.77	2.24E3		
<input checked="" type="checkbox"/>	C3	tetK	Unknown	18.86	2.06E3		
<input checked="" type="checkbox"/>	C4	tetK 10*	Unknown	22.17	9.21E1		
<input checked="" type="checkbox"/>	C5	tetK 10*	Unknown	21.92	1.16E2		
<input checked="" type="checkbox"/>	C6	tetK 10*	Unknown	23.02	4.14E1		

? - Detector Call uncertain, E - Extrapolated concentration in standard curve

**Results**

Inc	Pos	Name	Type	CP	Concentration	Standard	Status
<input checked="" type="checkbox"/>	C7	H2O	Negative Control				
<input checked="" type="checkbox"/>	C8	H2O	Negative Control				
<input checked="" type="checkbox"/>	C9	H2O	Negative Control				
<input checked="" type="checkbox"/>	C10	SAU	Standard	32.05	2.22E-2	2.42E-2	
<input checked="" type="checkbox"/>	C11	SAU	Standard	30.59	5.23E-2	2.42E-2	
<input checked="" type="checkbox"/>	C12	SAU	Standard	31.89	2.42E-2	2.42E-2	
<input checked="" type="checkbox"/>	D1	Sample 37	Unknown				
<input checked="" type="checkbox"/>	D2	Sample 38	Unknown				
<input checked="" type="checkbox"/>	D3	Sample 39	Unknown				
<input checked="" type="checkbox"/>	D4	Sample 40	Unknown	22.92	4.58E1		?
<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	17.59	6.83E3		
<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				

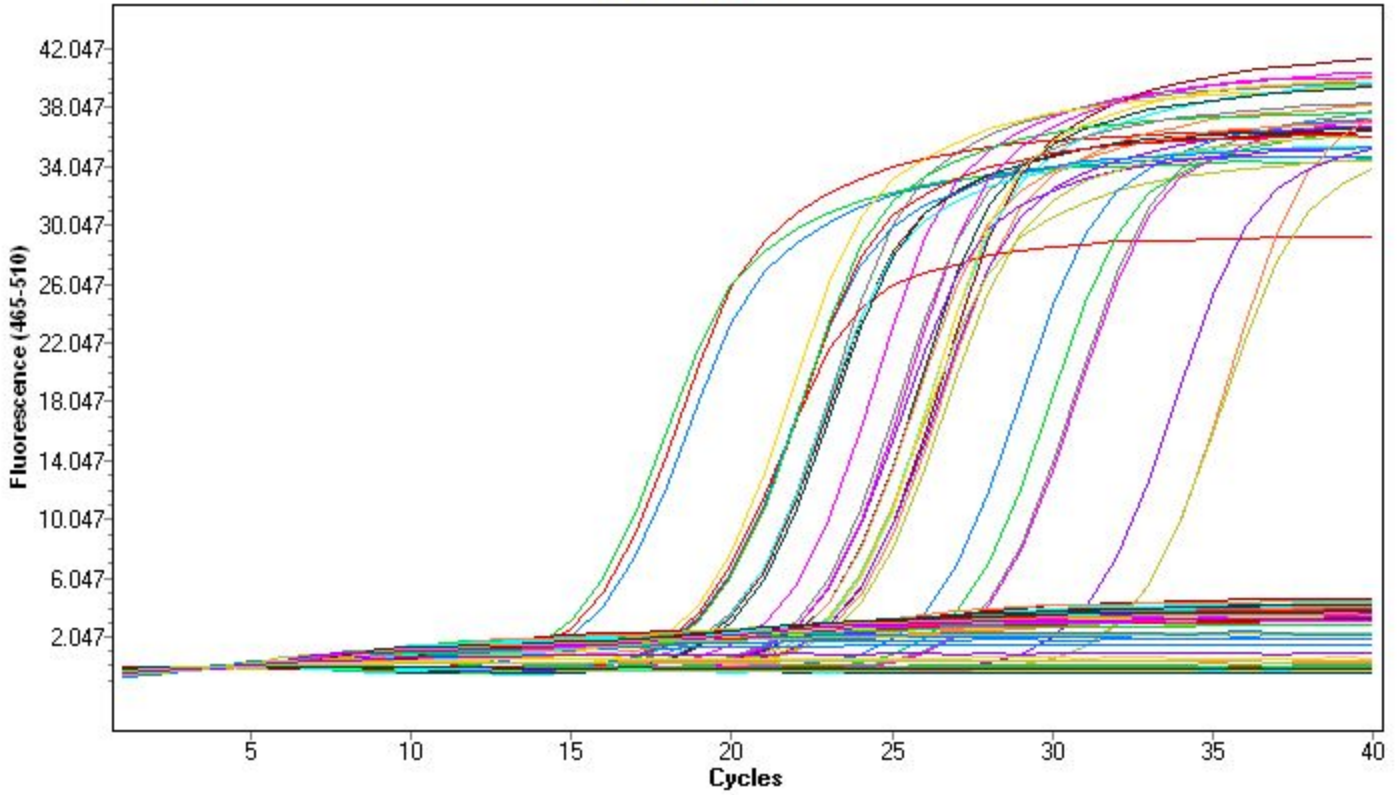
? - Detector Call uncertain, E - Extrapolated concentration in standard curve

**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	20.81	3.32E2		
<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	15.23	6.25E4		E
<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	16.98	1.21E4		
<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	28.16	3.39E-1		?
<input checked="" type="checkbox"/>	H12	Sample 96	Unknown				

? - Detector Call uncertain, E - Extrapolated concentration in standard curve

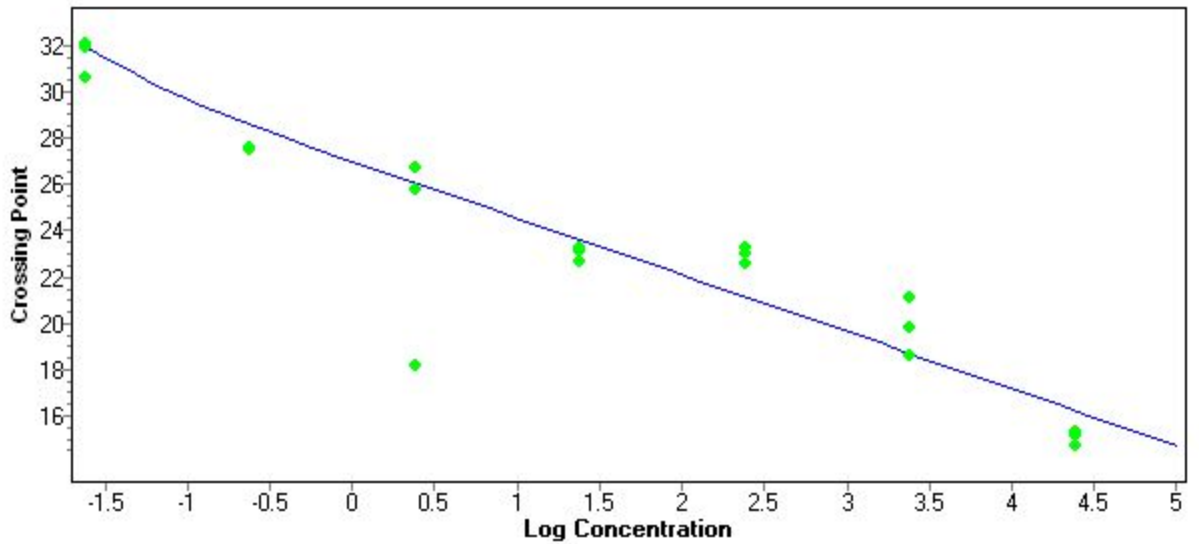
Amplification Curves



Standard Curve



Error: 0.156  
 Efficiency: 2.557  
 Slope: -2.452  
 YIntercept: 26.99  
 Link: 0.603



Analysis Notes