

Run Properties

Name	Praktikum 20180423
File	C:\Users\Milan\TubeCatcher\Documents\Bio Molecular Systems\micPCR\Assays\Praktikum 20180423.micrun
Signature	Valid
Status	Completed
Operator	Milan

Started	23.4.2018 14:39:55
Completed	23.4.2018 16:04:21

Event Log			
Time	Priority	User	Message
23.4.2018 14:39:55	Information	Milan	Run started via Serial on "mic M0000163" S/N M0000163 F/W v2.24 S/W v2.6.4
23.4.2018 14:54:35	Information	Milan	Autogain completed for Green using Sample: 2, Detector gain: 3x, LED power: 364, Scale: 1,02
23.4.2018 14:54:37	Information	Milan	Autogain completed for Yellow using Sample: 2, Detector gain: 2x, LED power: 392, Scale: 0,97
23.4.2018 16:04:21	Information	Milan	Run complete
23.4.2018 16:07:33	Information	Milan	Cycling "VZV" added Method changed from "LinRegPCR" to "Dynamic" Samples selected: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
23.4.2018 16:07:33	Information	Milan	Cycling "IC" added Method changed from "LinRegPCR" to "Dynamic"
23.4.2018 16:07:33	Information	Milan	AbsoluteQuantification "VZV" added Cycling "VZV" added Method changed from "LinRegPCR" to "Dynamic"

Samples

Well	Name	Type	Std. Conc. (Copies/ μ L)	Groups	Assay
1	Kalibrátor 10e1	Standard	10		VaricellaZoster Virus_praktikum
2	Kalibrátor 10e2	Standard	100		VaricellaZoster Virus_praktikum
3	Kalibrátor 10e3	Standard	1000		VaricellaZoster Virus_praktikum
4	Kalibrátor 10e4	Standard	10000		VaricellaZoster Virus_praktikum
5	Kalibrátor 10e5	Standard	100000		VaricellaZoster Virus_praktikum
6	NC	Negative Control			VaricellaZoster Virus_praktikum
7	451182	Unknown			VaricellaZoster Virus_praktikum
8	451182	Unknown			VaricellaZoster Virus_praktikum
9	RK	Unknown			VaricellaZoster Virus_praktikum
10	RK	Unknown			VaricellaZoster Virus_praktikum
11	MČ	Unknown			VaricellaZoster Virus_praktikum
12	MČ	Unknown			VaricellaZoster Virus_praktikum
13	LIV	Unknown			VaricellaZoster Virus_praktikum
14	LIV	Unknown			VaricellaZoster Virus_praktikum
15	JS	Unknown			VaricellaZoster Virus_praktikum
16	JS	Unknown			VaricellaZoster Virus_praktikum
17	JH	Unknown			VaricellaZoster Virus_praktikum
18	JH	Unknown			VaricellaZoster Virus_praktikum
19	KK	Unknown			VaricellaZoster Virus_praktikum
20	KK	Unknown			VaricellaZoster Virus_praktikum
21	NH	Unknown			VaricellaZoster Virus_praktikum
22	NH	Unknown			VaricellaZoster Virus_praktikum
23		Unknown			VaricellaZoster Virus_praktikum
24		Unknown			
25		Unknown			
26		Unknown			
27		Unknown			
28		Unknown			
29		Unknown			

Well	Name	Type	Std. Conc. (Copies/ μ L)	Groups	Assay
30		Unknown			
31		Unknown			
32		Unknown			
33		Unknown			
34		Unknown			
35		Unknown			
36		Unknown			
37		Unknown			
38		Unknown			
39		Unknown			
40		Unknown			
41		Unknown			
42		Unknown			
43		Unknown			
44		Unknown			
45		Unknown			
46		Unknown			
47		Unknown			
48		Unknown			

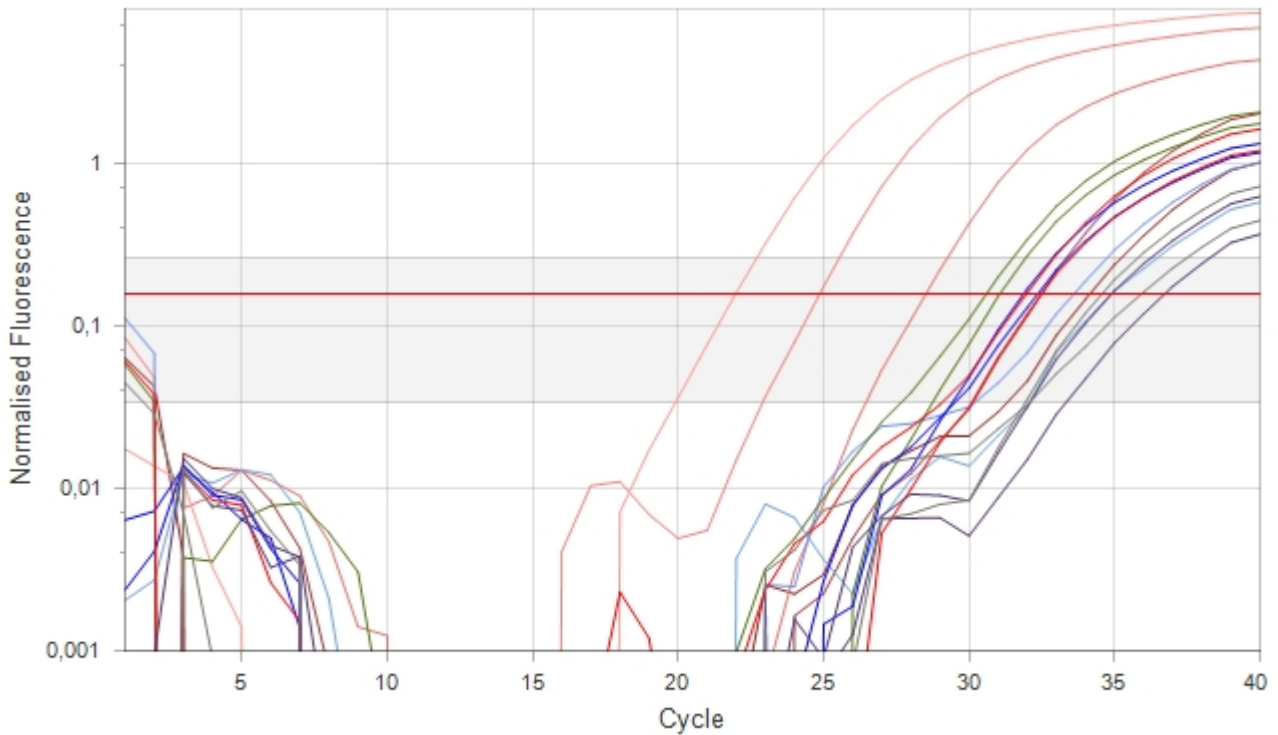
Run Profile

Hold Steps	
Activation at 37°C for 2:00	
Hold at 95°C for 10:00	

Cycling	
40 cycles	1) 95°C for 5s
	2) 60°C for 40s acquiring on Green, Yellow
	3) 72°C for 20s

Cycling: VZV

Target	VaricellaZoster Virus_praktikum → VZV
Normalisation	Dynamic
Exclusion	Extensive with fluorescence cutoff of 5%
Threshold	0,155 (Automatic) starting at cycle 1

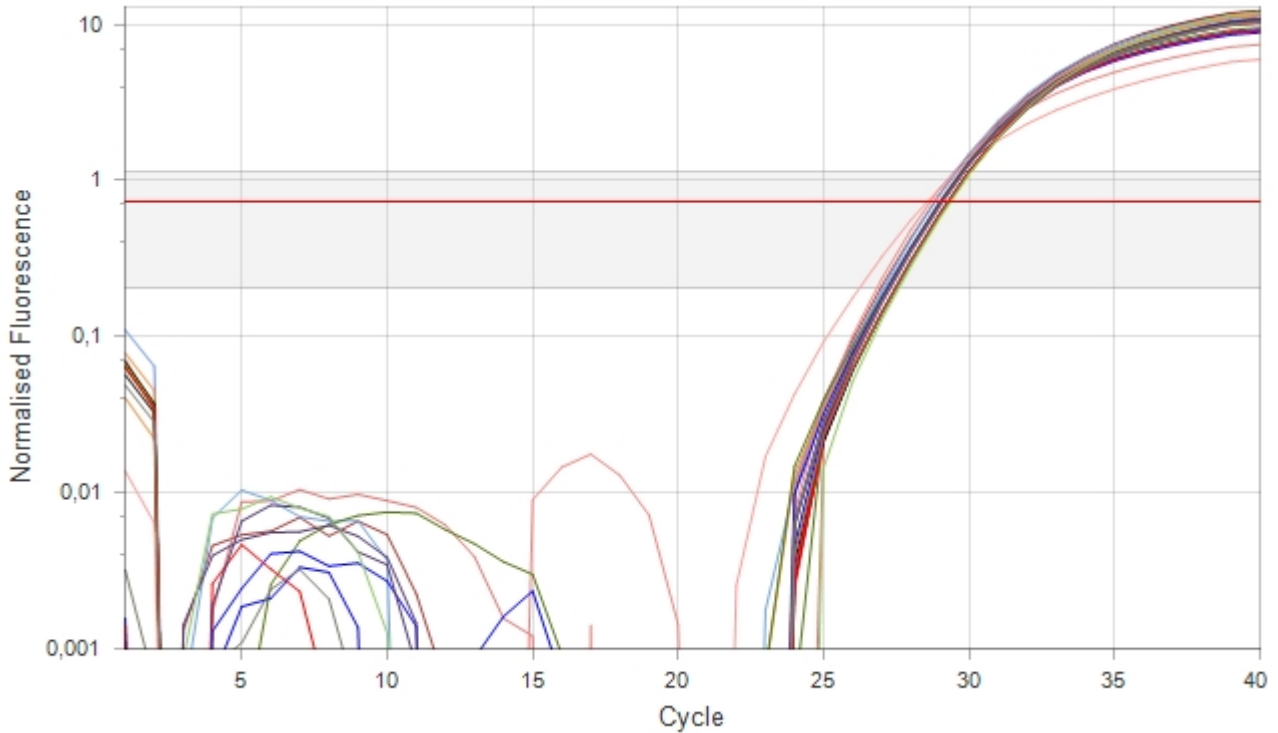


Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
1	■	Kalibrátor 10e1	34,11	0,70	0,99749	
2	■	Kalibrátor 10e2	32,40	0,89	0,99911	
3	■	Kalibrátor 10e3	28,42	1,07	0,99922	
4	■	Kalibrátor 10e4	24,80	1,17	0,99995	
5	■	Kalibrátor 10e5	21,95	1,09	0,99981	
6	■	NC	-	-	-	Excluded
7	■	451182	33,53	0,59	0,99685	
8	■	451182	34,84	0,57	0,97314	
9	■	RK	-	-	-	Excluded
10	■	RK	-	-	-	Excluded
11	■	MČ	-	-	-	Excluded
12	■	MČ	-	-	-	Excluded
13	■	LIV	30,51	0,72	0,99887	
14	■	LIV	31,03	0,90	0,99923	
15	■	JS	32,29	0,71	0,99875	
16	■	JS	31,82	0,83	0,99723	








Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
17	■	JH	32,41	0,82	0,99596	
18	■	JH	31,94	0,73	0,99729	
19	■	KK	36,66	0,51	0,99299	
20	■	KK	34,86	0,62	0,98977	
21	■	NH	35,88	0,46	0,99774	
22	■	NH	34,49	0,71	0,99105	

Cycling: IC

Target	VaricellaZoster Virus_praktikum → IC
Normalisation	Dynamic
Exclusion	Extensive with fluorescence cutoff of 5%
Threshold	0,733 (Automatic) starting at cycle 1

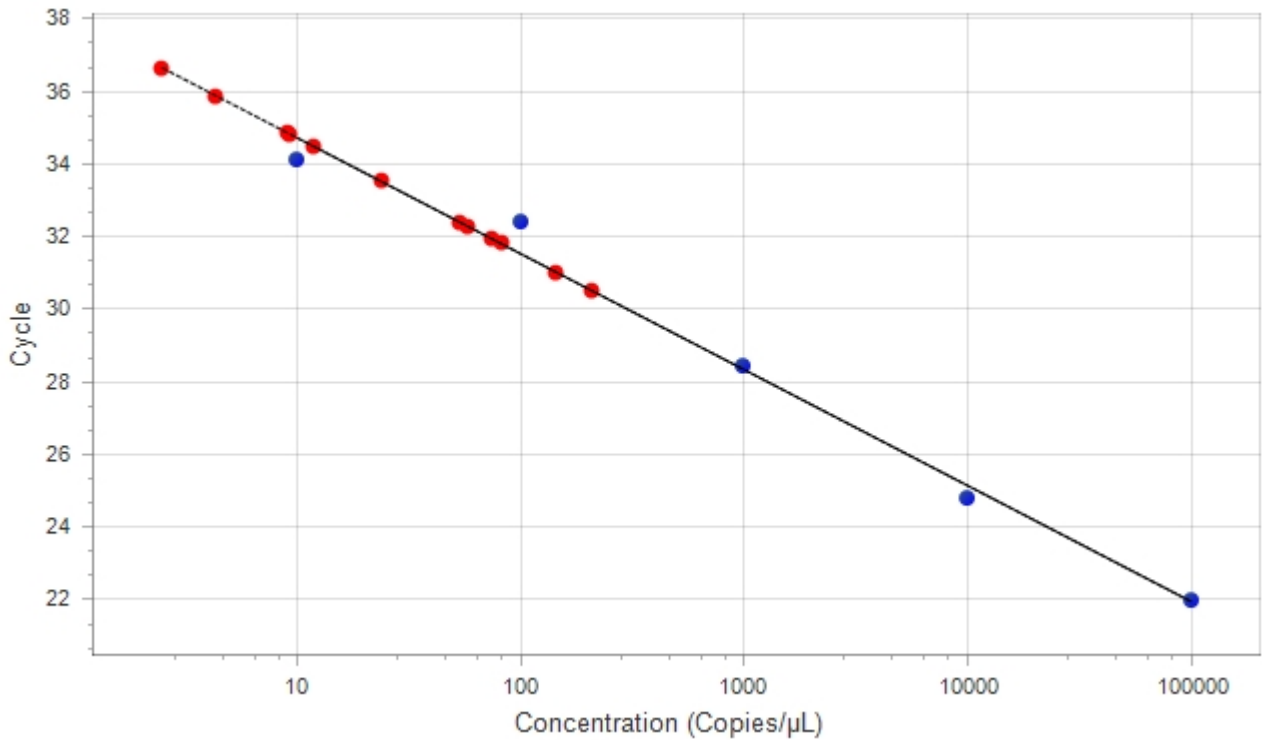


Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
1	■	Kalibrátor 10e1	29,02	0,99	0,99854	
2	■	Kalibrátor 10e2	28,77	0,94	0,99868	
3	■	Kalibrátor 10e3	28,98	1,03	0,99787	
4	■	Kalibrátor 10e4	28,61	0,93	0,99647	
5	■	Kalibrátor 10e5	28,51	0,67	0,99531	
6	■	NC	29,30	0,97	0,99906	
7	■	451182	29,00	0,93	0,99914	
8	■	451182	28,77	1,00	0,99796	
9	■	RK	29,05	0,95	0,99847	
10	■	RK	29,06	0,96	0,99856	
11	■	MČ	29,25	0,96	0,99856	
12	■	MČ	29,21	0,98	0,99837	
13	■	LIV	29,01	0,95	0,99849	
14	■	LIV	29,00	0,97	0,99778	
15	■	JS	29,04	0,94	0,99806	
16	■	JS	29,02	0,96	0,99727	

Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
17		JH	29,05	0,96	0,99762	
18		JH	29,22	0,98	0,99859	
19		KK	29,07	0,97	0,99796	
20		KK	29,03	0,97	0,99815	
21		NH	29,27	0,96	0,99871	
22		NH	29,07	0,96	0,99813	
23			29,29	1,00	0,99877	

Absolute Quantification: VZV

Target	VaricellaZoster Virus_praktikum → VZV
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Standard Curve	
Equation	$y = -3,19x + 37,91$
Efficiency	1,06
R²	0,9879

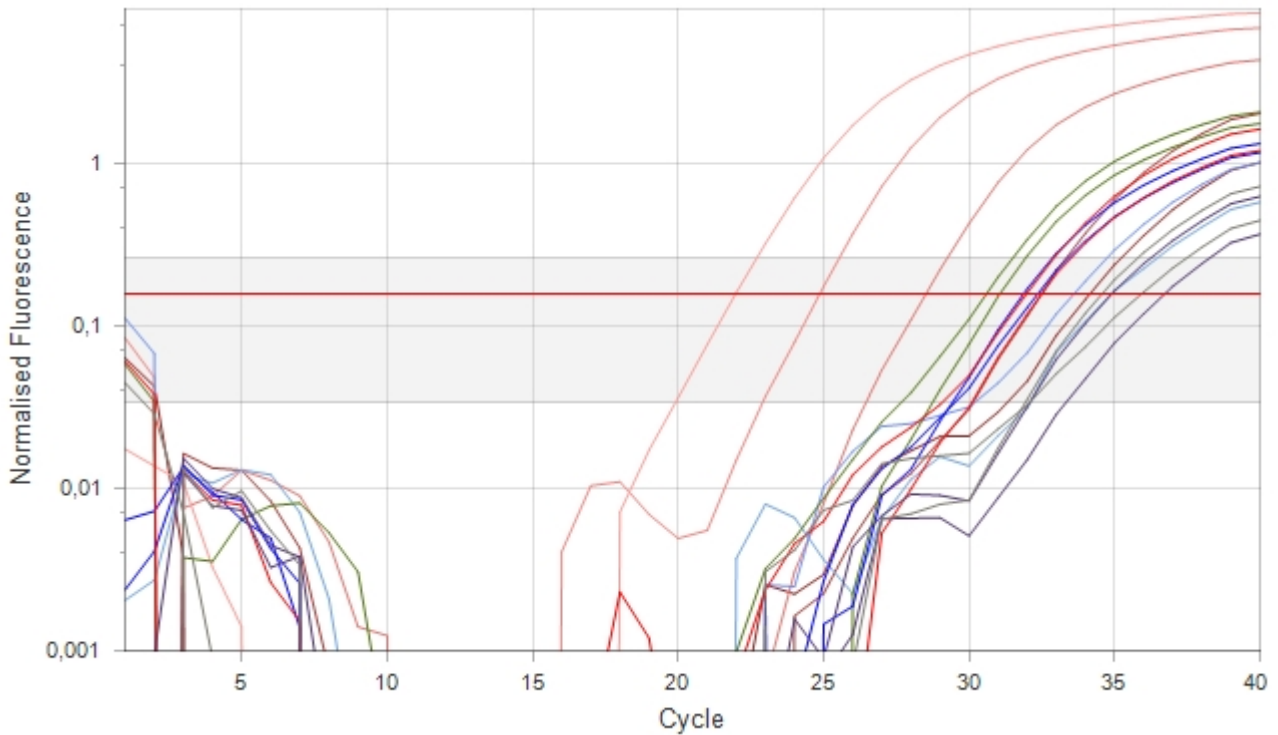
Standards Results					
Well	Sample Name	Cq	Given Concentration (Copies/µL)	Calculated Concentration (Copies/µL)	Variation
1	Kalibrátor 10e1	34,11	10	15,51	55,11%
2	Kalibrátor 10e2	32,40	100	53,38	46,62%
3	Kalibrátor 10e3	28,42	1000	942,8	5,72%
4	Kalibrátor 10e4	24,80	1E+04	1,278E+04	27,82%
5	Kalibrátor 10e5	21,95	1E+05	1,002E+05	0,23%

Sample Results			
Well	Sample Name	Cq	Calculated Concentration (Copies/µL)
6	NC	-	-
7	451182	33,53	23,52
8	451182	34,84	9,129
9	RK	-	-
10	RK	-	-








Well	Sample Name	Cq	Calculated Concentration (Copies/ μ L)
11	MČ	-	-
12	MČ	-	-
13	LIV	30,51	208,4
14	LIV	31,03	142,9
15	JS	32,29	57,68
16	JS	31,82	81
17	JH	32,41	52,81
18	JH	31,94	74,04
19	KK	36,66	2,463
20	KK	34,86	9,014
21	NH	35,88	4,312
22	NH	34,49	11,74
23		-	-

Absolute Quantification: VZV (Cycling)

Target	VaricellaZoster Virus_praktikum → VZV
Normalisation	Dynamic
Exclusion	Extensive with fluorescence cutoff of 5%
Threshold	0,155 (Automatic) starting at cycle 1



Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
1	■	Kalibrátor 10e1	34,11	0,70	0,99749	
2	■	Kalibrátor 10e2	32,40	0,89	0,99911	
3	■	Kalibrátor 10e3	28,42	1,07	0,99922	
4	■	Kalibrátor 10e4	24,80	1,17	0,99995	
5	■	Kalibrátor 10e5	21,95	1,09	0,99981	
6	■	NC	-	-	-	Excluded
7	■	451182	33,53	0,59	0,99685	
8	■	451182	34,84	0,57	0,97314	
9	■	RK	-	-	-	Excluded
10	■	RK	-	-	-	Excluded
11	■	MČ	-	-	-	Excluded
12	■	MČ	-	-	-	Excluded
13	■	LIV	30,51	0,72	0,99887	
14	■	LIV	31,03	0,90	0,99923	
15	■	JS	32,29	0,71	0,99875	
16	■	JS	31,82	0,83	0,99723	

Well	Colour	Sample Name	Cq	Efficiency	Efficiency R ²	Result
17		JH	32,41	0,82	0,99596	
18		JH	31,94	0,73	0,99729	
19		KK	36,66	0,51	0,99299	
20		KK	34,86	0,62	0,98977	
21		NH	35,88	0,46	0,99774	
22		NH	34,49	0,71	0,99105	
23			-	-	-	Excluded