PCR Kit Quality Control Certificate

Pathogen
Lumpy skin virus

Table 1: Concentration in ng/µL of the sample control and its dilutions.

	1	2	3	4	5	6	7	8
	$1x10^{-1}$	$1x10^{-2}$	$1x10^{-3}$	$1x10^{-4}$	$1x10^{-5}$	$1x10^{-6}$	$1x10^{-7}$	$1x10^{-8}$
N° of copies	$1x10^{8}$	$1x10^{7}$	$1x10^{6}$	$1x10^{5}$	$1x10^{4}$	$1x10^{3}$	$1x10^{2}$	$1x10^{1}$

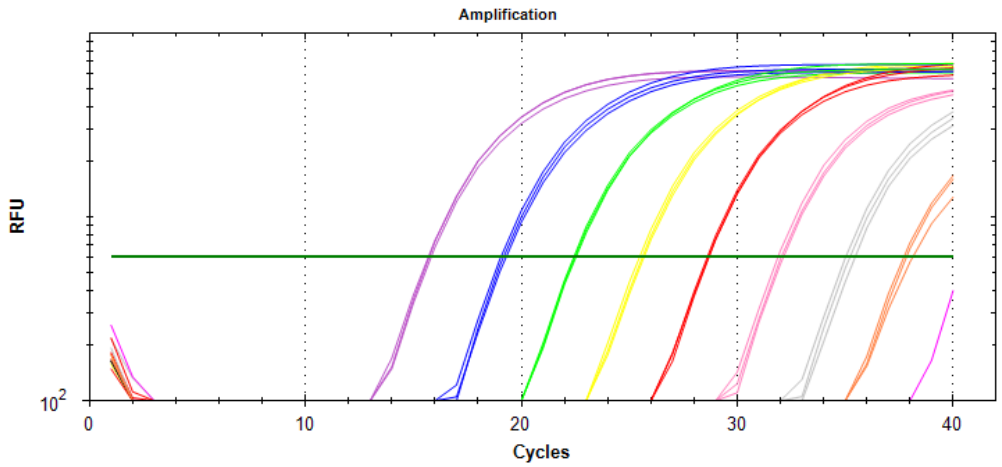

Figure 1: Logarithmic amplification curves for Lumpy skin virus

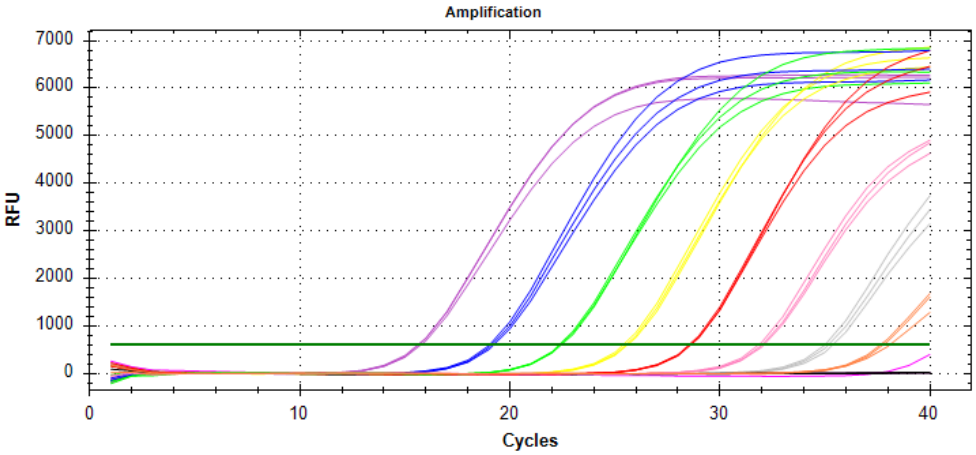

Figure 2: Standard amplification curves for Lumpy skin virus

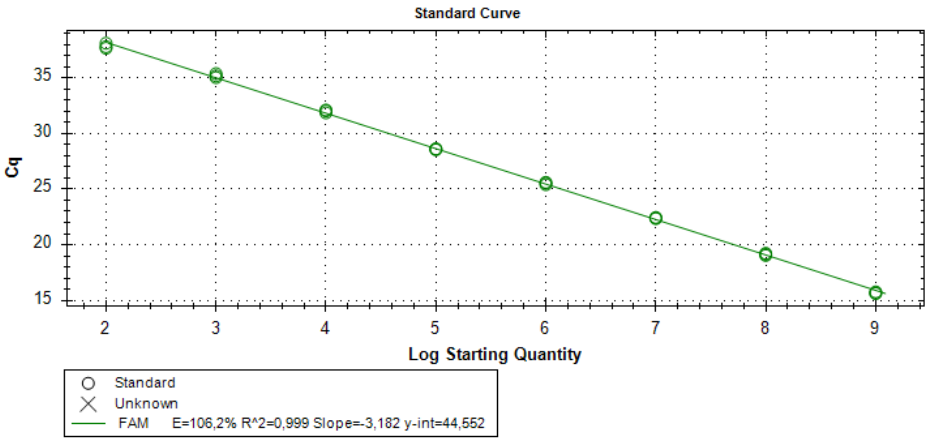

Figure 3: Standard curve for Lumpy skin virus

Summary of Ct values

Table 2: Ct values obtained for each dilution of the sample control.

Target Name	Sample Name	Reporter	Ct values
Lumpy skin virus	1	FAM	15,78
	2	FAM	19,24
	3	FAM	22,46
	4	FAM	25,61
	5	FAM	28,61
	6	FAM	32,11
	7	FAM	35,18
	8	FAM	37,8
	Negative Control	FAM	Undetermined

Certificate validated by:

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Quality Control Managers