PCR Kit Quality Control Certificate

Pathogen
Foot-and-Mouth Disease Virus serotype O

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	$1x10^{8}$	$1x10^{7}$	$1x10^{6}$	$1x10^{5}$	$1x10^{4}$	$1x10^{3}$	$1x10^{2}$	$1x10^{1}$

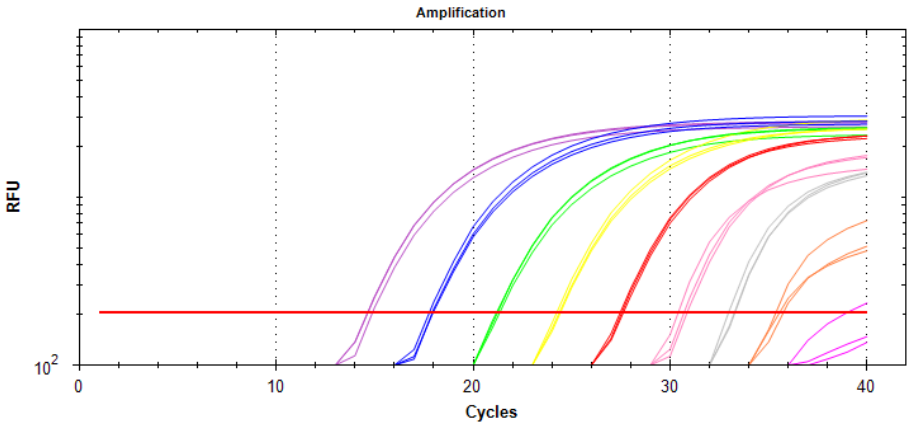

Figure 1: Logarithmic amplification curves for Foot-and-Mouth Disease Virus serotype O

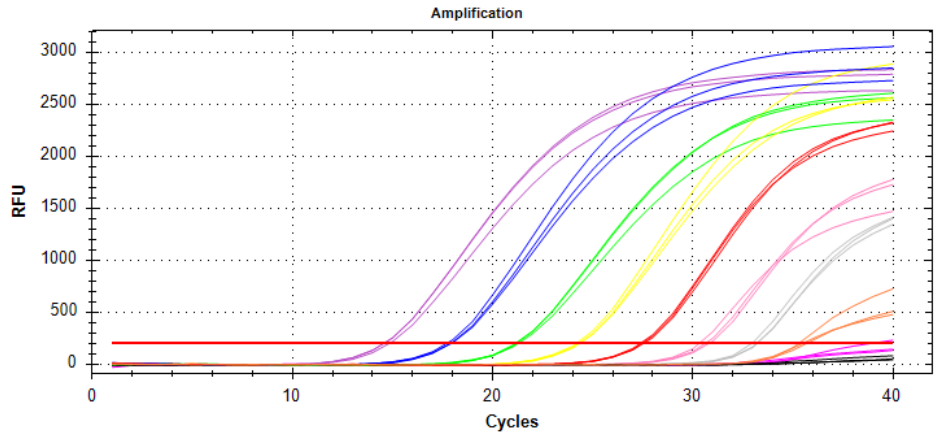

Figure 2: Standard amplification curves for Foot-and-Mouth Disease Virus serotype O

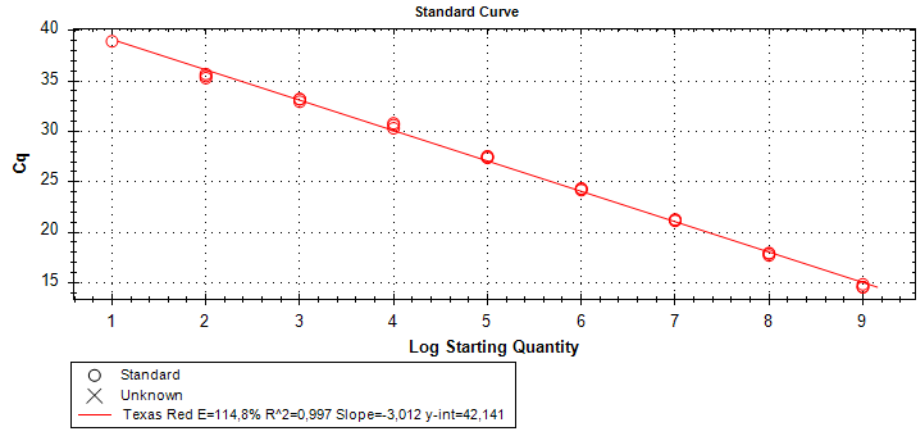

Figure 3: Standard curve for Foot-and-Mouth Disease Virus serotype O

Summary of Ct values

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

Target Name	Sample Name	Reporter	Ct values
Foot-and-Mouth Disease Virus serotype O	**1**	**ROX**	**14,84**
	2	**ROX**	**17,89**
	3	**ROX**	**21,14**
	4	**ROX**	**24,35**
	5	**ROX**	**27,54**
	6	**ROX**	**30,32**
	7	**ROX**	**33,2**
	8	**ROX**	**35,69**
	Negative Control	**ROX**	Undetermined

Certificate validated by:

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Quality Control Managers