BioinGentech
Biotechnology

PCR Kit Quality Control Certificate

Pathogen
Potato Virus Y

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

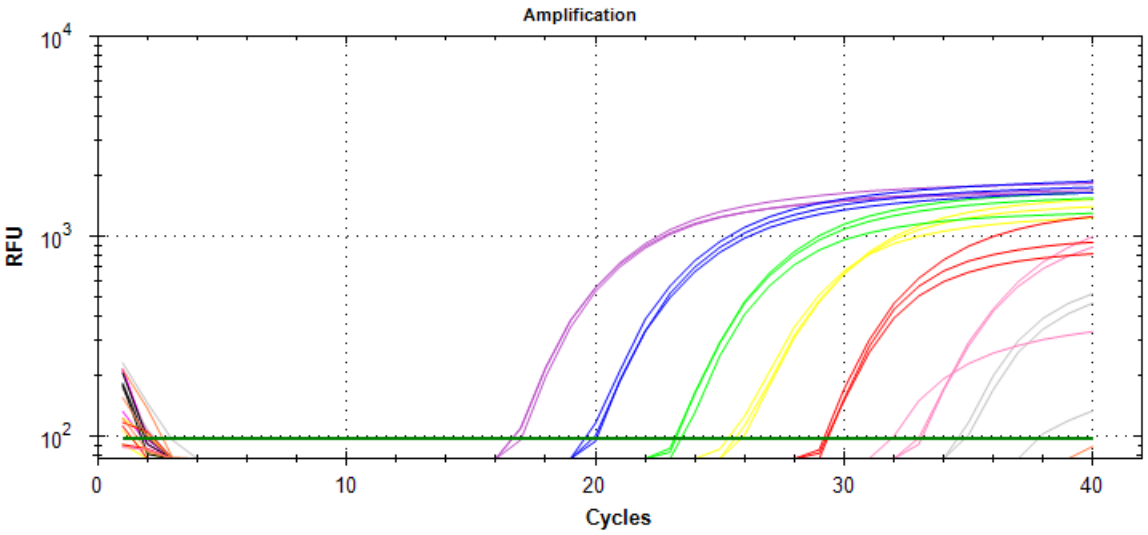


Figure 1: Logarithmic amplification curves for Potato Virus Y

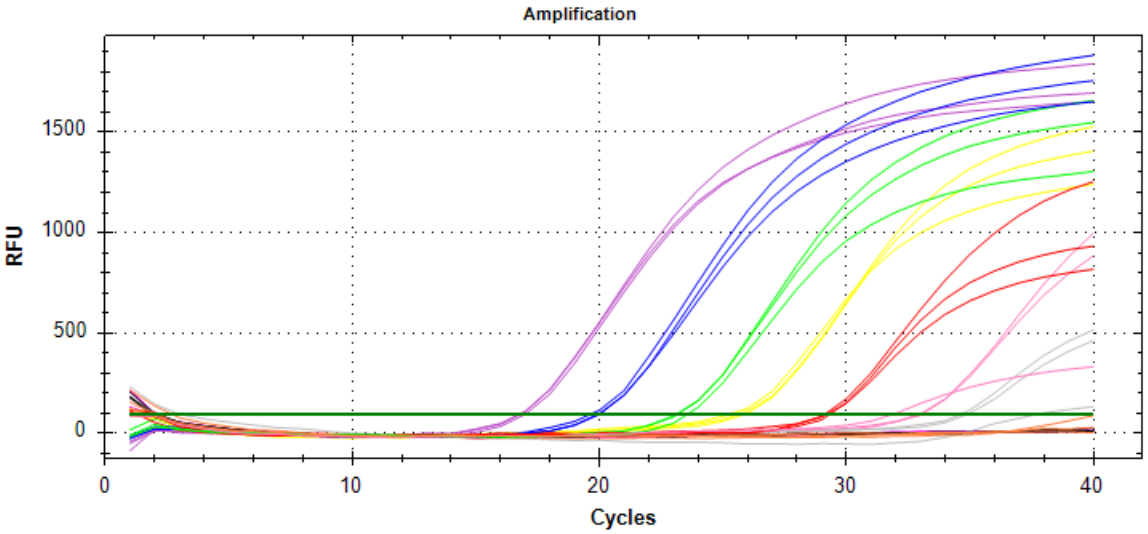


Figure 2: Standard amplification curves for Potato Virus Y

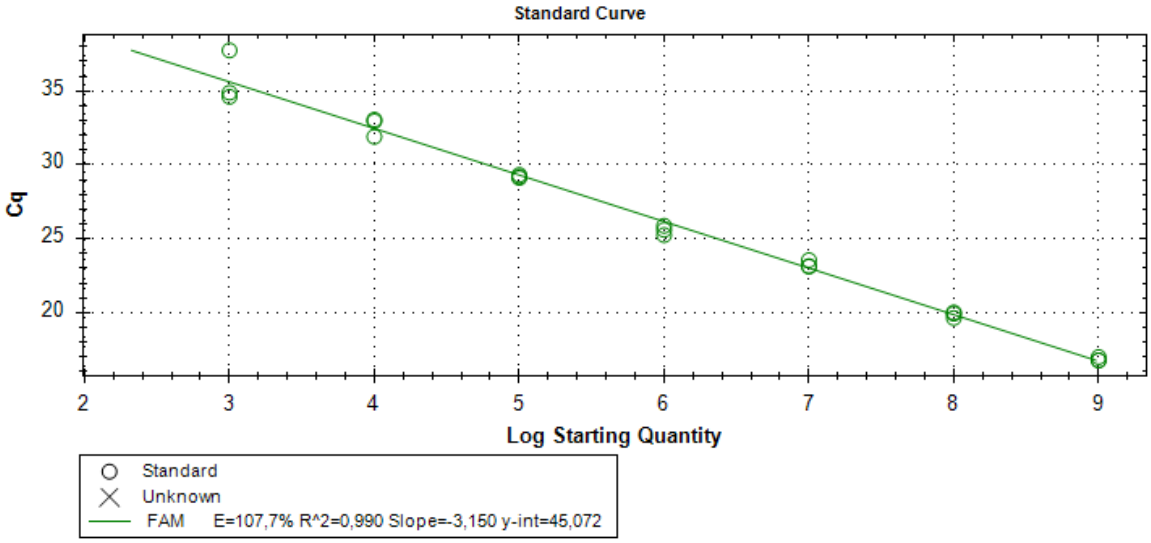


Figure 3: Standard curve for Potato Virus Y

Summary of Ct values

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

Target Name	Sample Name	Reporter	Ct values
Potato Virus Y	**1**	**FAM**	**16,78**
	2	**FAM**	**19,65**
	3	**FAM**	**23,12**
	4	**FAM**	**25,89**
	5	**FAM**	**29,13**
	6	**FAM**	**31,91**
	7	**FAM**	**34,62**
	8	**FAM**	**-**
	Negative Control	**FAM**	Undetermined

Certificate validated by:

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Quality Control Managers