

PCR Kit Quality Control Certificate

Pathogen
<i>Newcastle disease virus</i>

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

	1	2	3	4	5	6	7	8	9
	1×10^{-1}	1×10^{-2}	1×10^{-3}	1×10^{-4}	1×10^{-5}	1×10^{-6}	1×10^{-7}	1×10^{-8}	1×10^{-9}
N° of copies	1×10^8	1×10^7	1×10^6	1×10^5	1×10^4	1×10^3	1×10^2	1×10^1	1×10^0

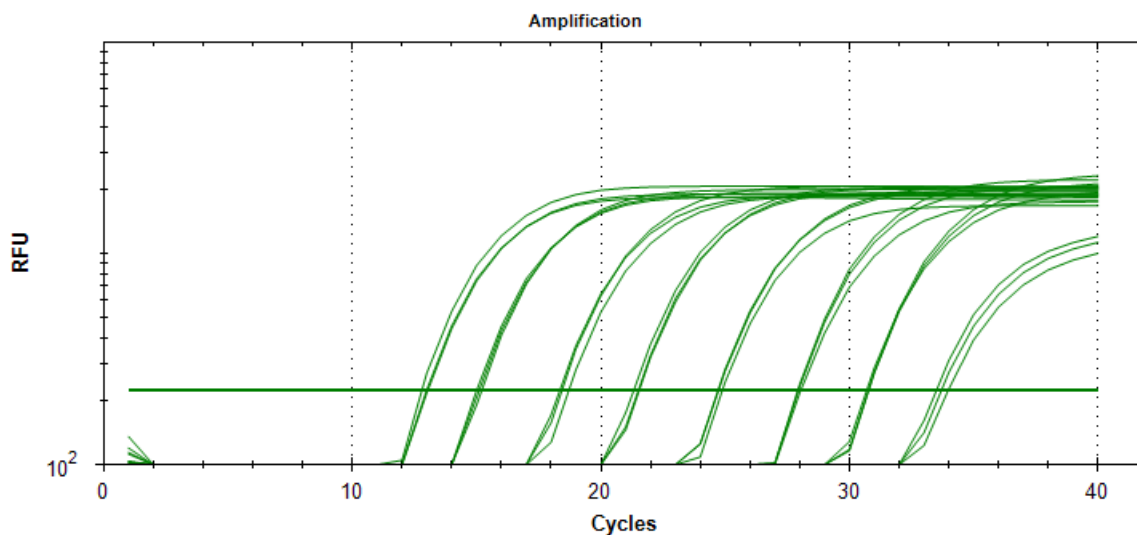


Figure 1: Logarithmic amplification curves for Newcastle disease virus

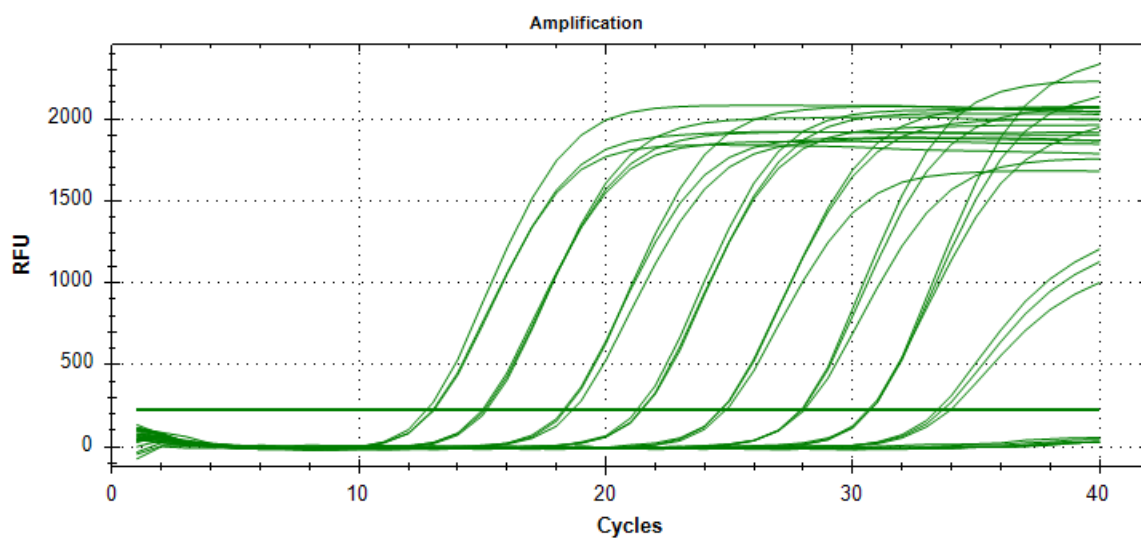


Figure 2: Standard amplification curves for Newcastle disease virus

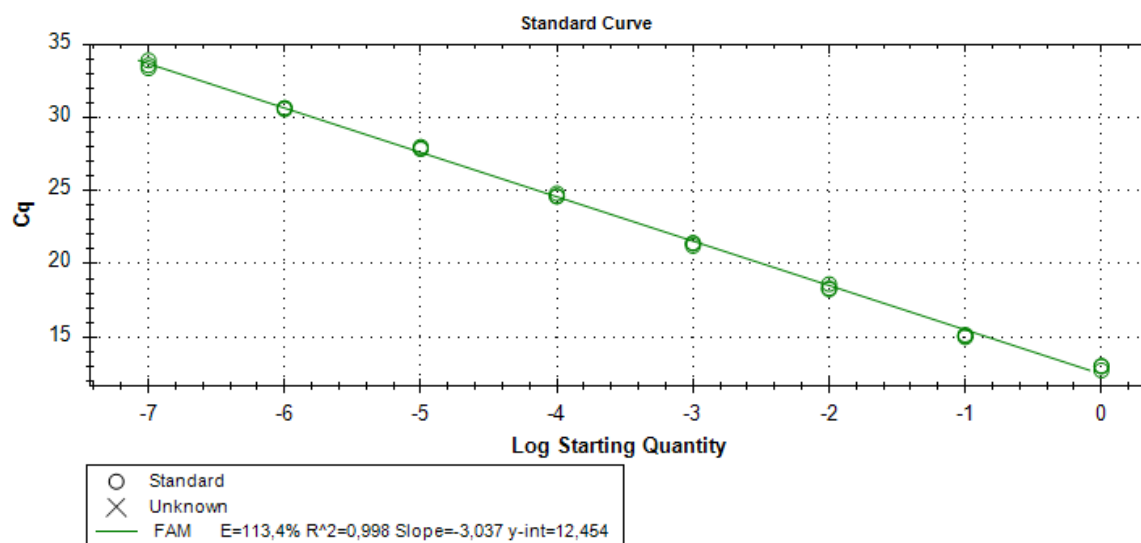


Figure 3: Standard curve for Newcastle disease virus

Pathogen
Newcastle disease virus Pathotyping

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

	1	2	3	4	5	6	7	8	9
	1×10^{-1}	1×10^{-2}	1×10^{-3}	1×10^{-4}	1×10^{-5}	1×10^{-6}	1×10^{-7}	1×10^{-8}	1×10^{-9}
N° of copies	1×10^8	1×10^7	1×10^6	1×10^5	1×10^4	1×10^3	1×10^2	1×10^1	1×10^0

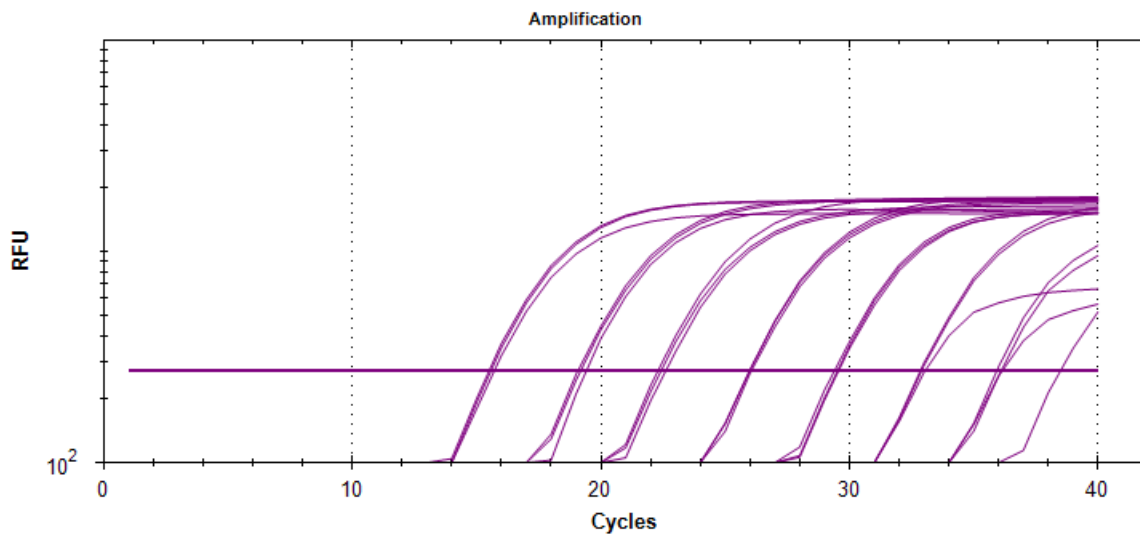


Figure 1: Logarithmic amplification curves for Newcastle disease virus Pathotyping

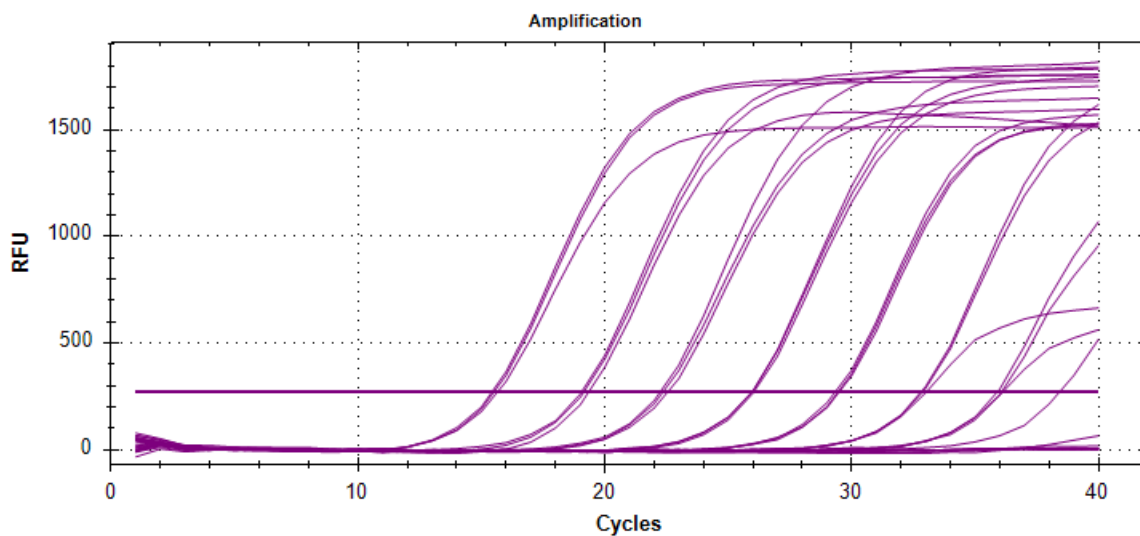


Figure 2: Standard amplification curves for Newcastle disease virus Pathotyping

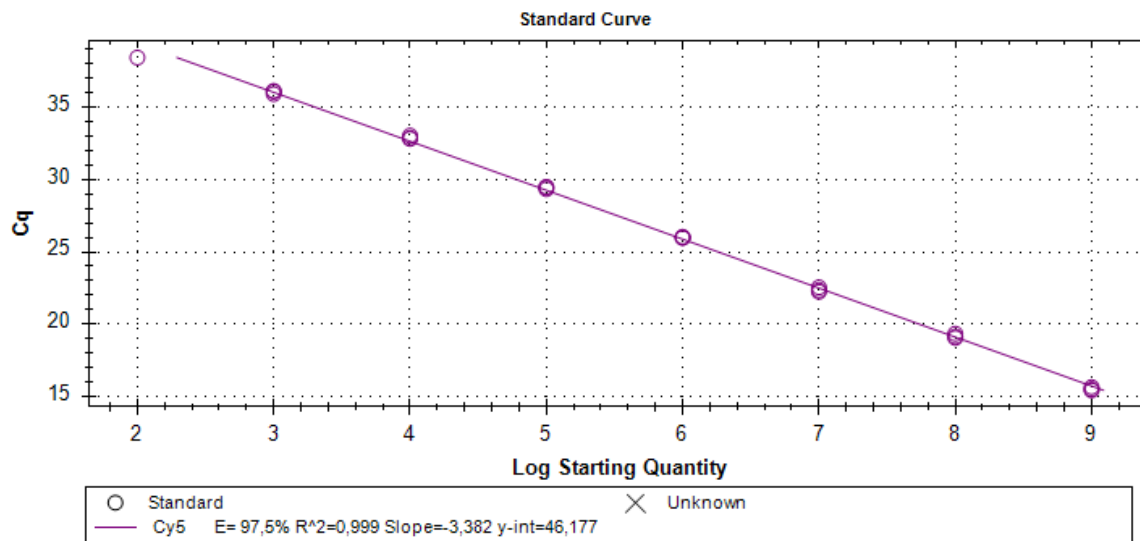


Figure 3: Standard curve for Newcastle disease virus Pathotyping

Summary of Ct values

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

Target Name	Sample Name	Reporter	Ct values
<i>Newcastle disease virus</i>	1	FAM	12,97
	2	FAM	15,07
	3	FAM	18,33
	4	FAM	21,24
	5	FAM	24,62
	6	FAM	28,02
	7	FAM	30,68
	8	FAM	33,62
	Negative Control	FAM	Undetermined

Target Name	Sample Name	Reporter	Ct values
<i>Newcastle disease virus Pathotyping</i>	1	CY5	14,62
	2	CY5	18,29
	3	CY5	21,37
	4	CY5	25,01
	5	CY5	28,57
	6	CY5	32,15
	7	CY5	35,74
	8	CY5	-
	Negative Control	CY5	Undetermined