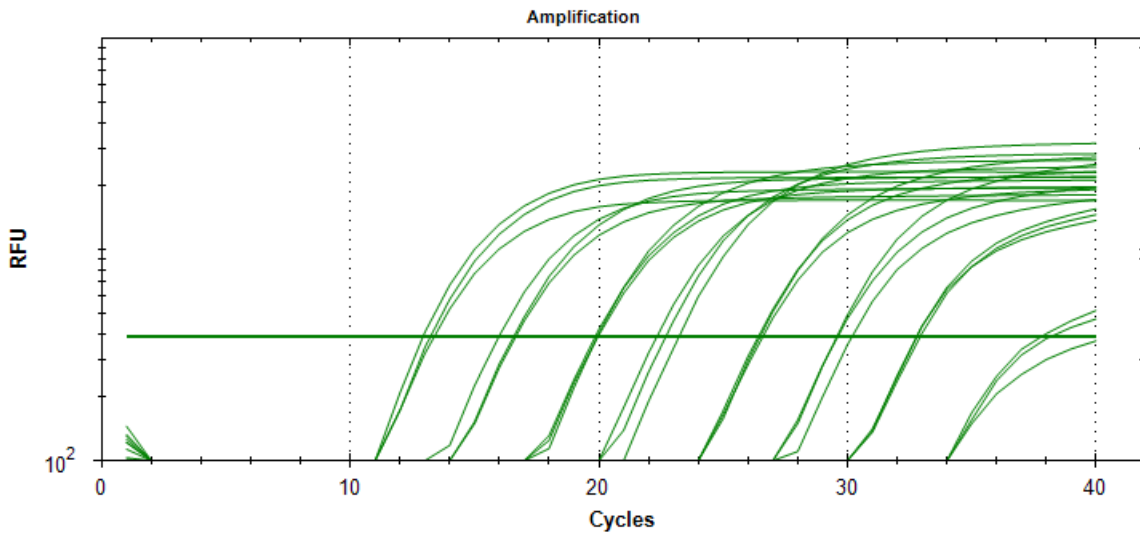


# PCR Kit Quality Control Certificate

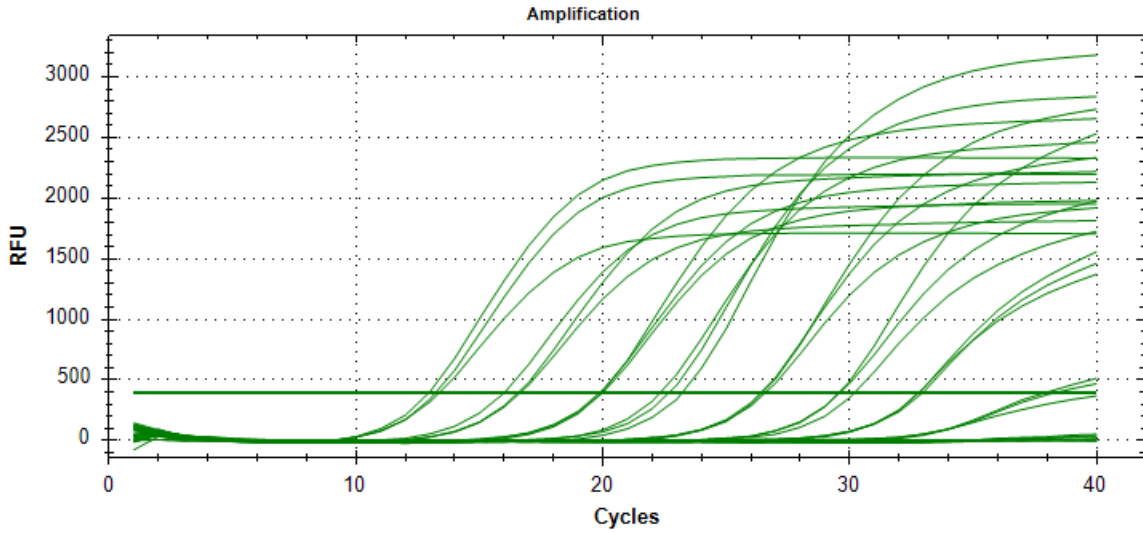
Pathogen
<i>Sudan virus (Mix 1)</i>

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

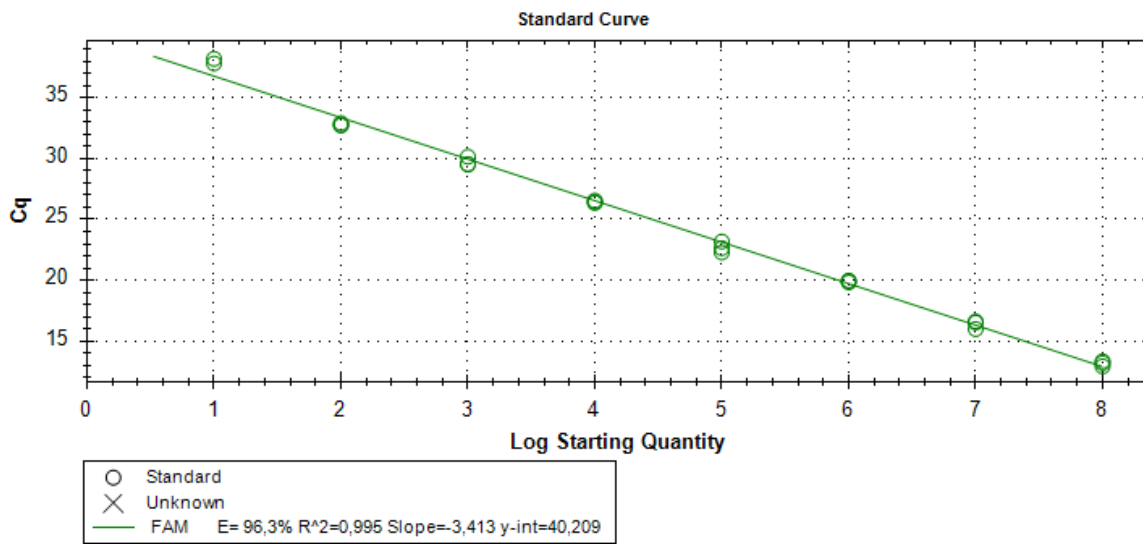
	1	2	3	4	5	6	7	8	9
	$1 \times 10^{-1}$	$1 \times 10^{-2}$	$1 \times 10^{-3}$	$1 \times 10^{-4}$	$1 \times 10^{-5}$	$1 \times 10^{-6}$	$1 \times 10^{-7}$	$1 \times 10^{-8}$	$1 \times 10^{-9}$
N° of copies	$1 \times 10^8$	$1 \times 10^7$	$1 \times 10^6$	$1 \times 10^5$	$1 \times 10^4$	$1 \times 10^3$	$1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



**Figure 2: Logarithmic amplification curves for Sudan virus (Mix 1)**

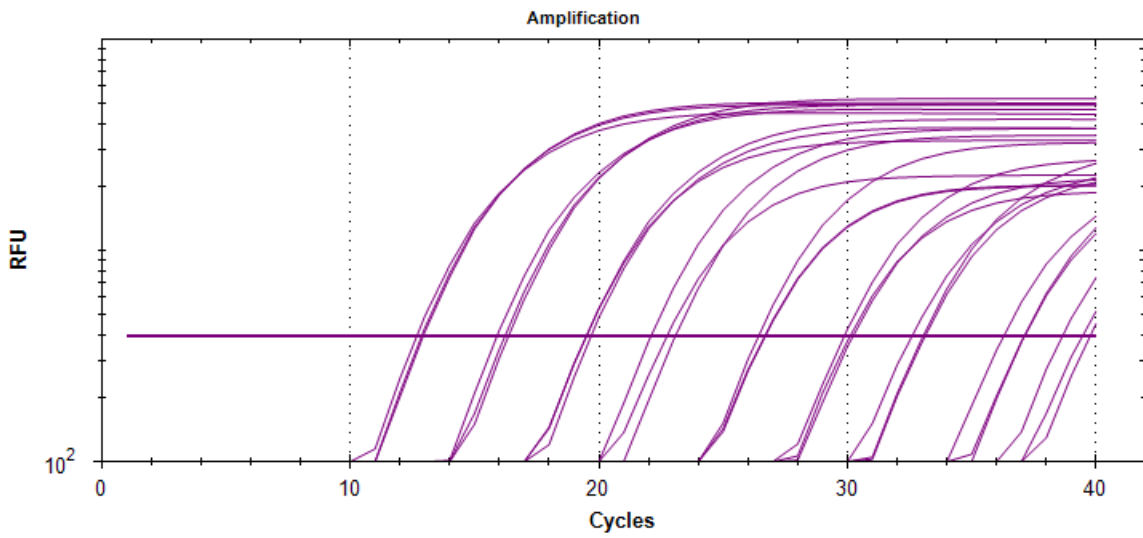


**Figure 3: Standard amplification curves for Sudan virus (Mix 1)**

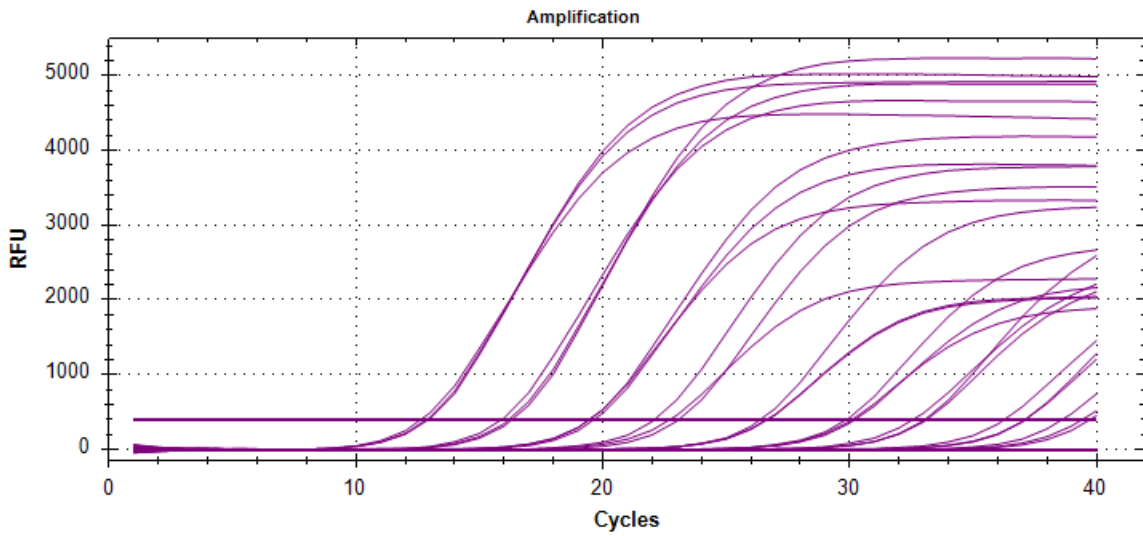


**Figure 4: Standard curve for Sudan virus (Mix 1)**

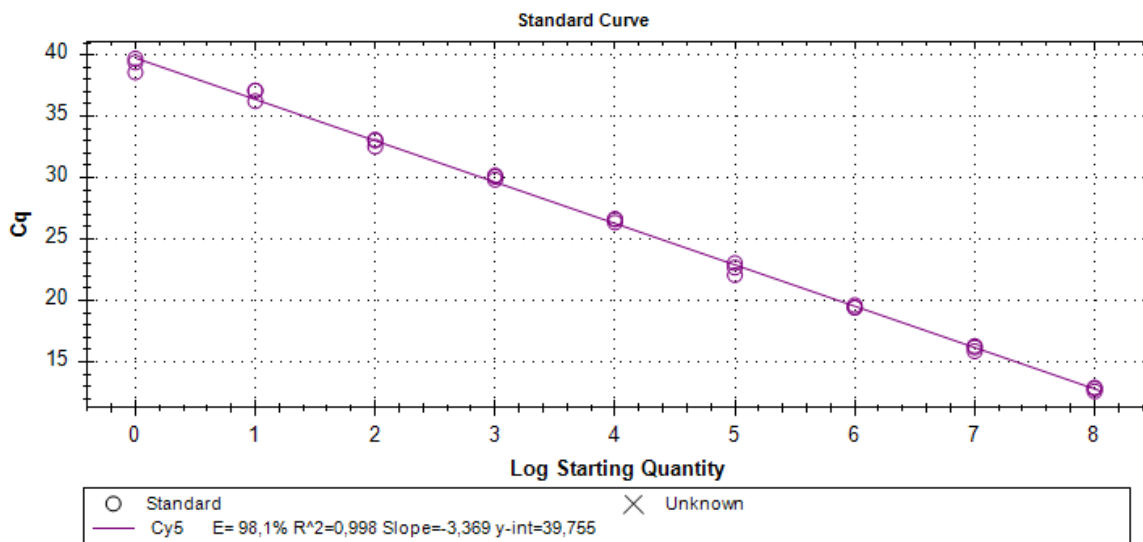
<b>Pathogen</b>
<i>Marburg virus (Mix 1)</i>



*Figure 5: Logarithmic amplification curves for Marburg virus (Mix 1)*

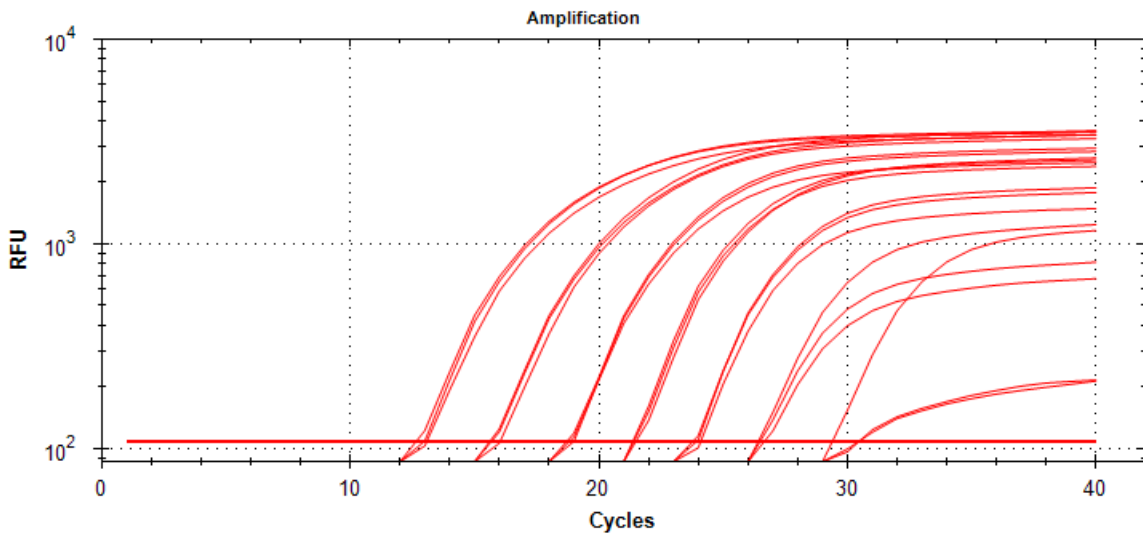


**Figure 6: Standard amplification curves for Marburg virus (Mix 1)**

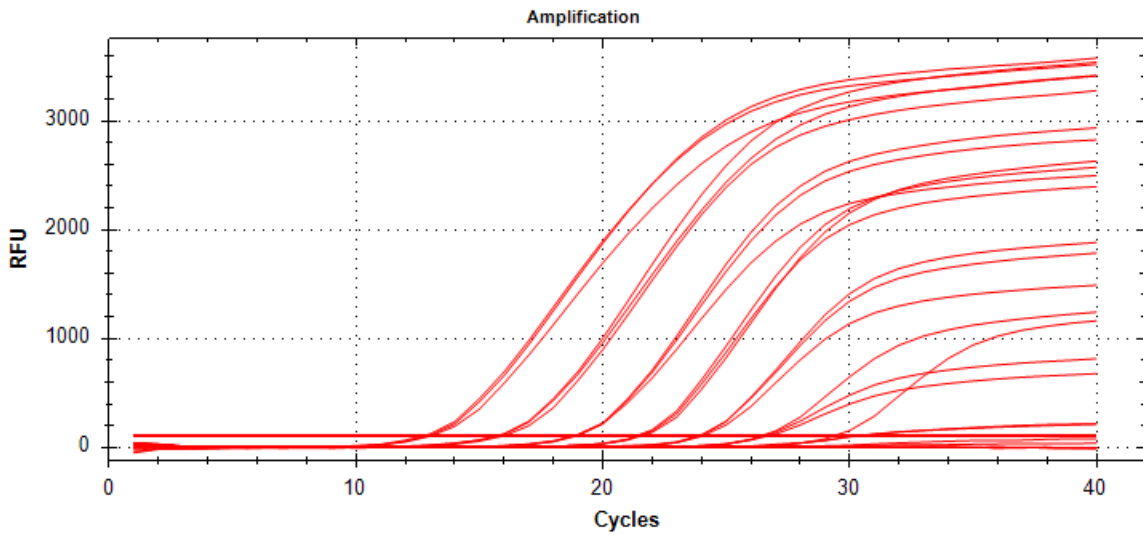


**Figure 7: Standard amplification curves for Marburg virus (Mix 1)**

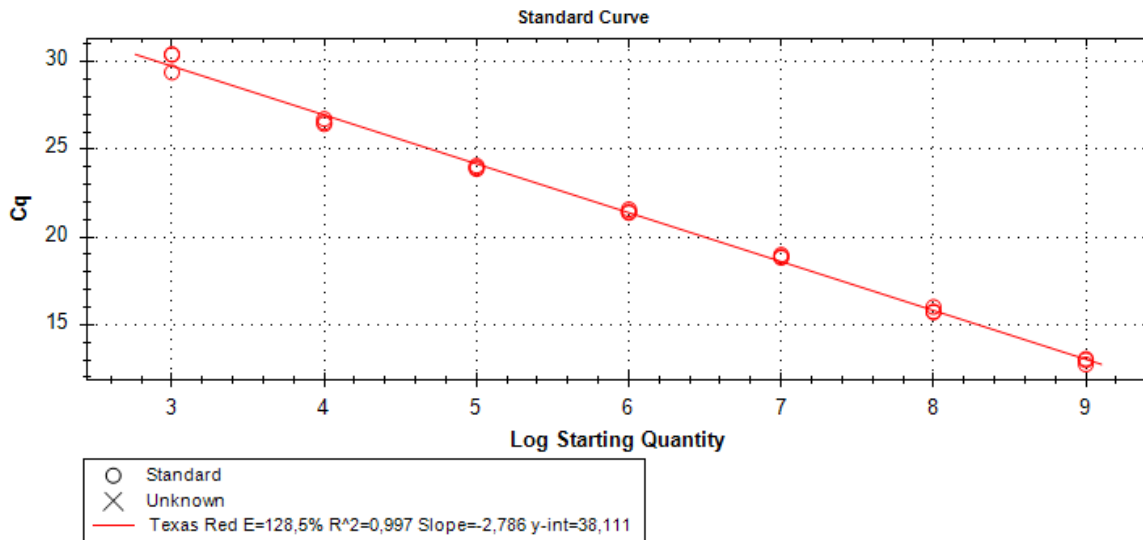
<b>Pathogen</b>
<i>Tai Forest virus (Mix 1)</i>



**Figure 11: Logarithmic amplification curves for *Tai Forest virus (Mix 1)***



**Figure 12: Standard amplification curves for Tai Forest virus (Mix 1)**



**Figure 13: Standard curve for Tai Forest virus (Mix 1)**

### Summary of Ct values

The following table details the Ct values obtained for each sample and fluorophore of each kit of the order of the Mix 1.

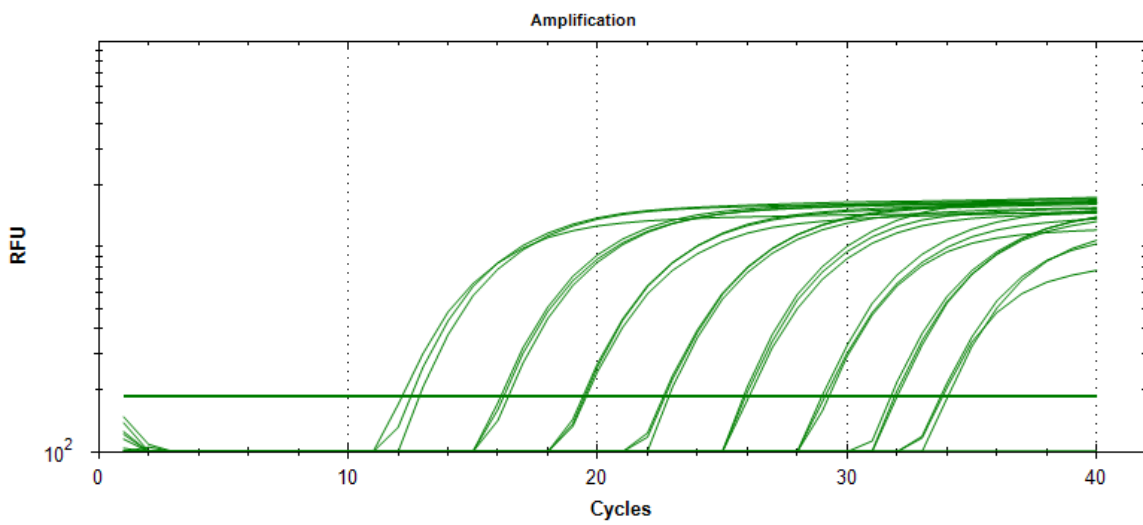
Target Name	Sample Name	Reporter	Ct values
<i>Sudan virus (Mix 1)</i>	1	FAM	13,34
	2	FAM	16,53
	3	FAM	19,83
	4	FAM	23,19
	5	FAM	26,44
	6	FAM	30,17
	7	FAM	32,75
	8	FAM	37,84
	Negative Control	FAM	Undetermined

<i>Marburg virus (Mix 1)</i>	1	CY5	12,60
	2	CY5	16,30
	3	CY5	19,43
	4	CY5	22,69
	5	CY5	26,61
	6	CY5	30,19
	7	CY5	33,04
	8	CY5	36,24
	Negative Control	CY5	Undetermined

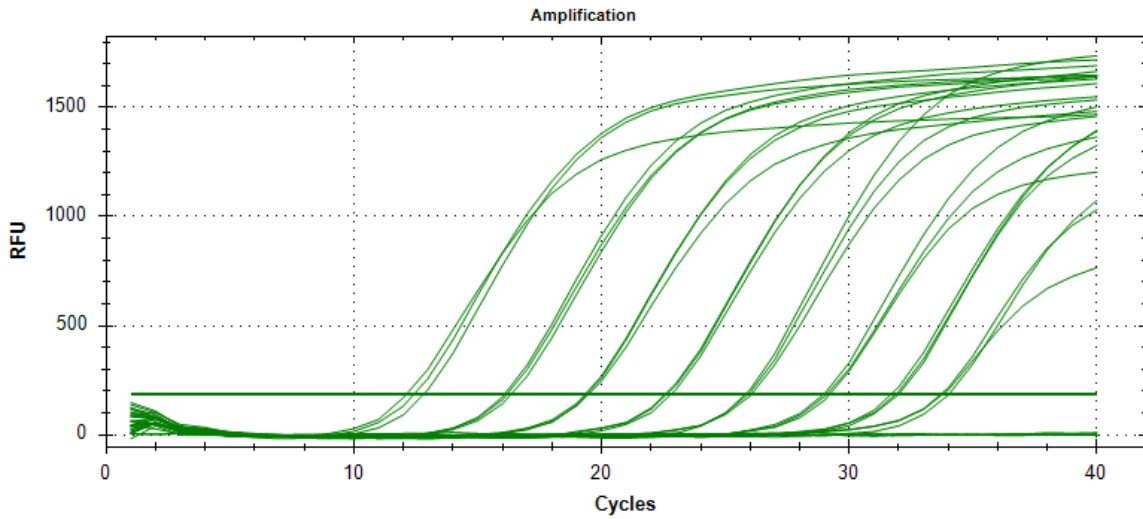


<i>Tai Forest virus (Mix 1)</i>	1	ROX	13,05
	2	ROX	16,02
	3	ROX	18,82
	4	ROX	21,58
	5	ROX	24,07
	6	ROX	26,74
	7	ROX	30,42
	8	ROX	-
	Negative Control	ROX	Undetermined

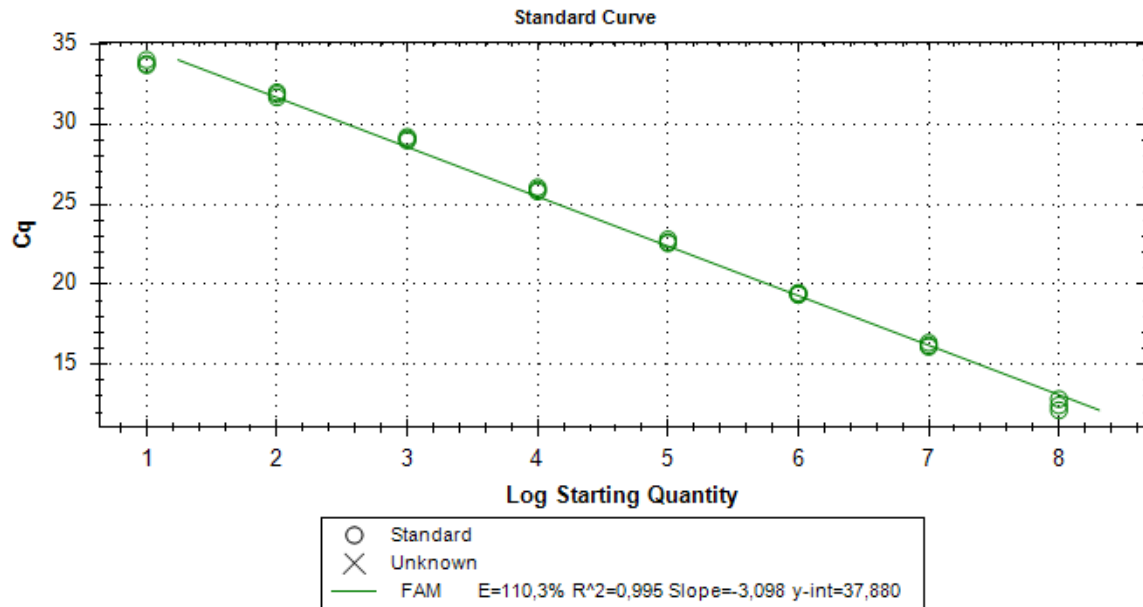
<b>Pathogen</b>
<i>Zaire Ebola virus (Mix 2)</i>



*Figure 8: Logarithmic amplification curves for Zaire Ebola virus (Mix 2)*

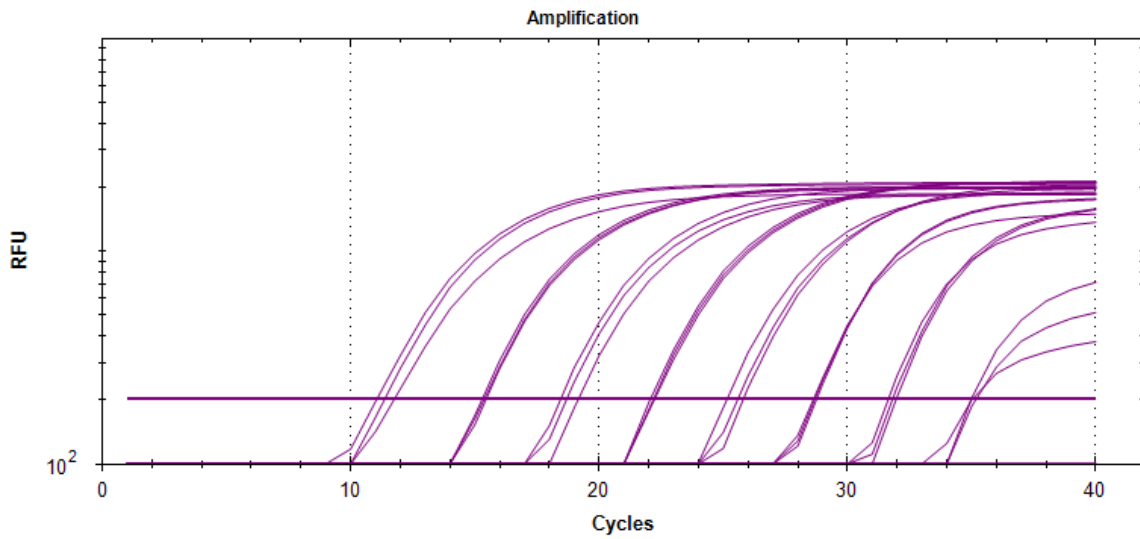


**Figure 9: Standard amplification curves for Zaire Ebola virus (Mix 2)**



**Figure 10: Standard curve for Zaire Ebola virus (Mix 2)**

<b>Pathogen</b>
<i>Bundibugyo virus (Mix 2)</i>



**Figure 5: Logarithmic amplification curves for Bundibugyo virus (Mix 2)**

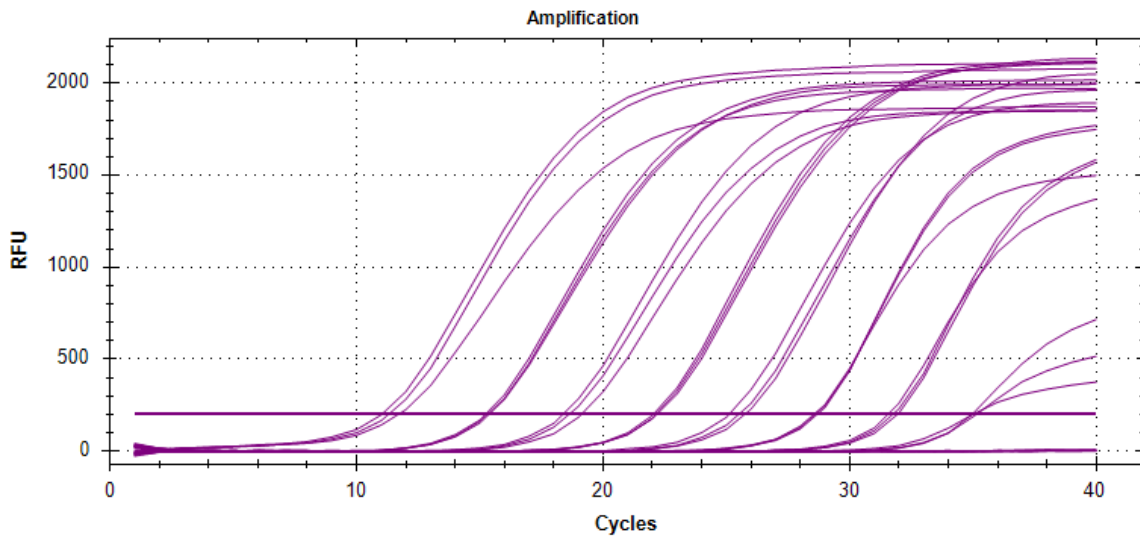


Figure 6: Standard amplification curves for Bundibugyo virus (Mix 2)

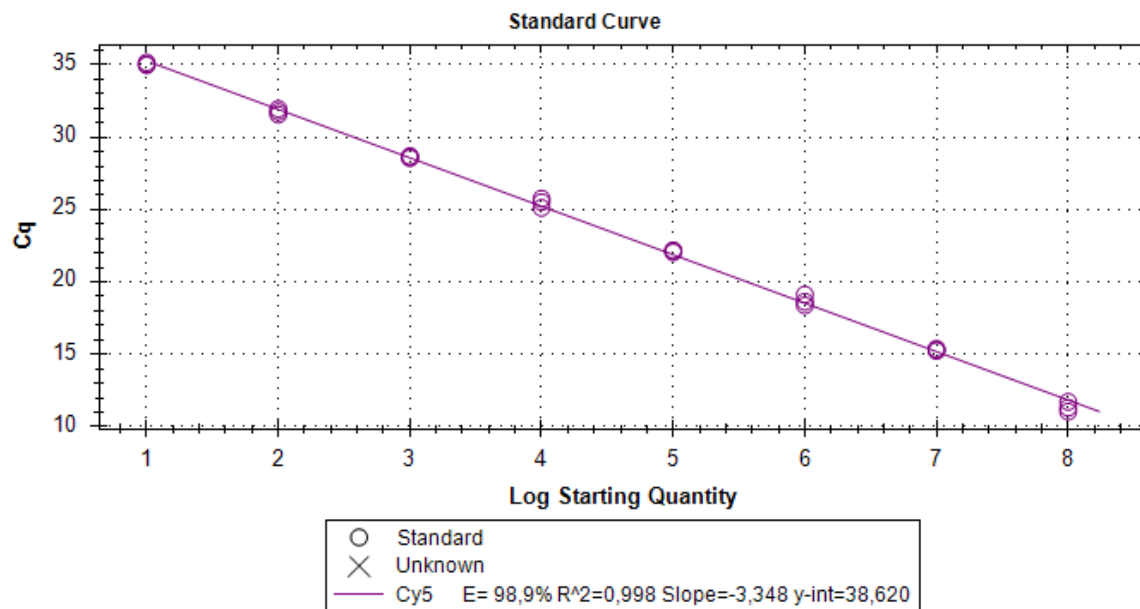


Figure 7: Standard amplification curves for Bundibugyo virus (Mix 2)

### Summary of Ct values

The following table details the Ct values obtained for each sample and fluorophore of each kit of the order of the Mix 2.

<i>Zaire Ebola virus (Mix 2)</i>	1	FAM	12,13
	2	FAM	16,1
	3	FAM	19,35
	4	FAM	22,57
	5	FAM	25,81
	6	FAM	29,22
	7	FAM	32,01
	8	FAM	33,7
	Negative Control	FAM	Undetermined

<i>Bundibugyo virus (Mix 2)</i>	1	CY5	11,72
	2	CY5	15,39
	3	CY5	19,14
	4	CY5	22,19
	5	CY5	25,76
	6	CY5	28,57
	7	CY5	31,96
	8	CY5	34,98
	Negative Control	CY5	Undetermined