

PCR Kit Quality Control Certificate

Pathogen
<i>Bacillus cereus</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

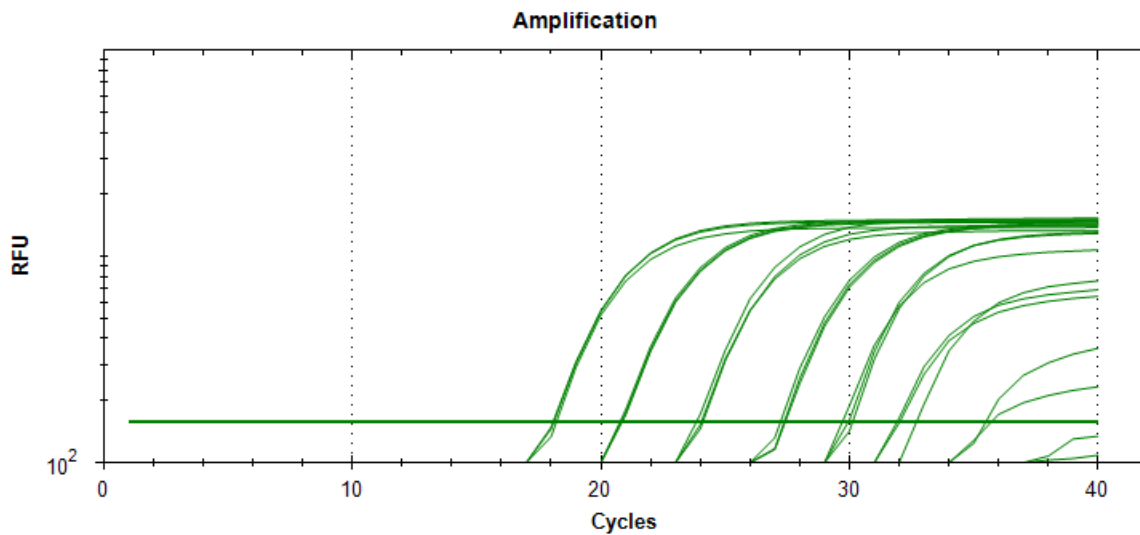


Figure 2: Logarithmic amplification curves for *Bacillus cereus*

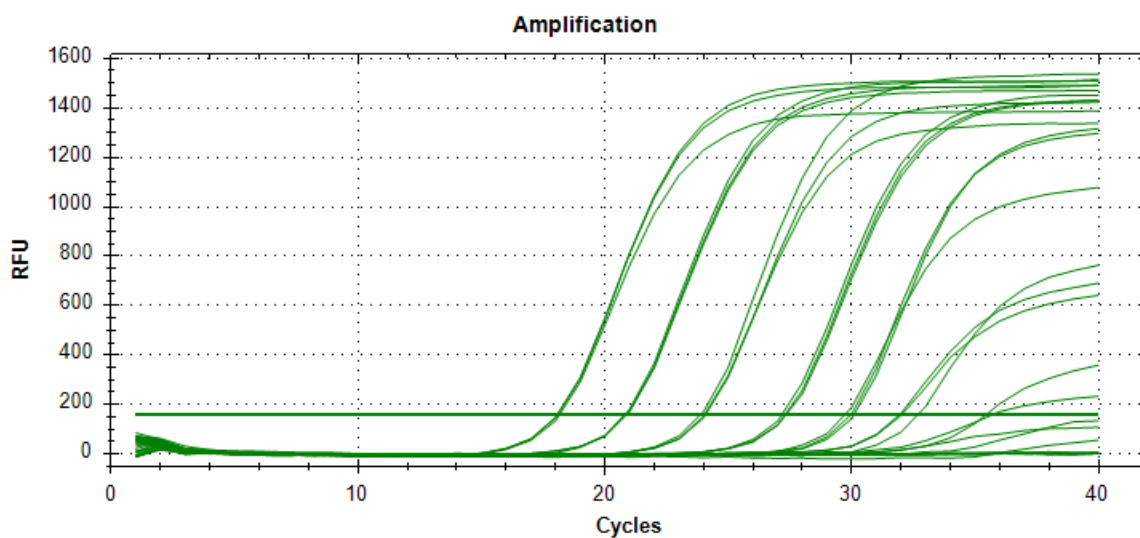


Figure 3: Standard amplification curves for Bacillus cereus

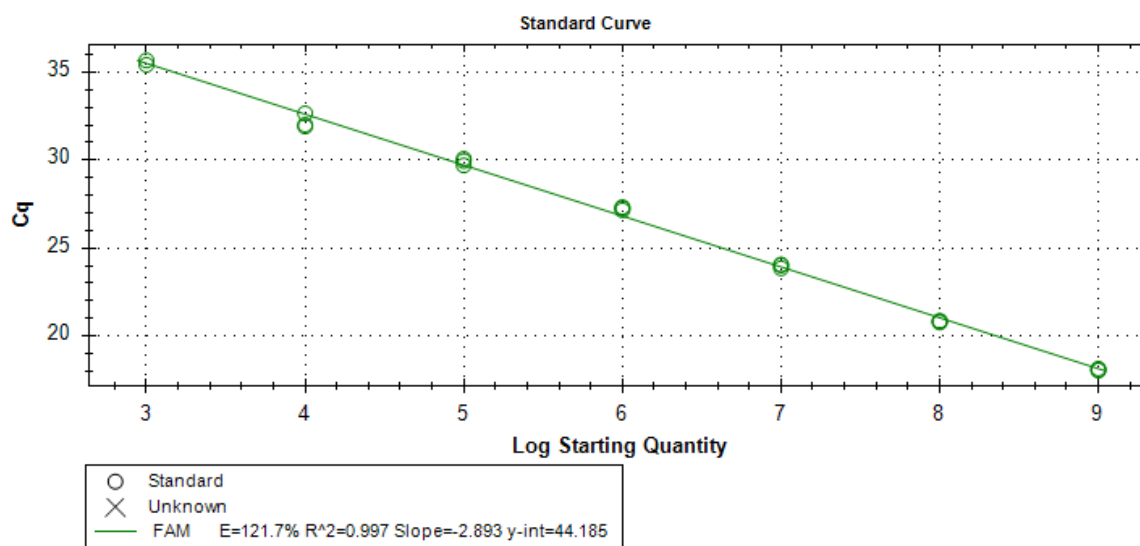


Figure 4: Standard curve for Bacillus cereus

Pathogen
<i>Bacillus thuringiensis</i>

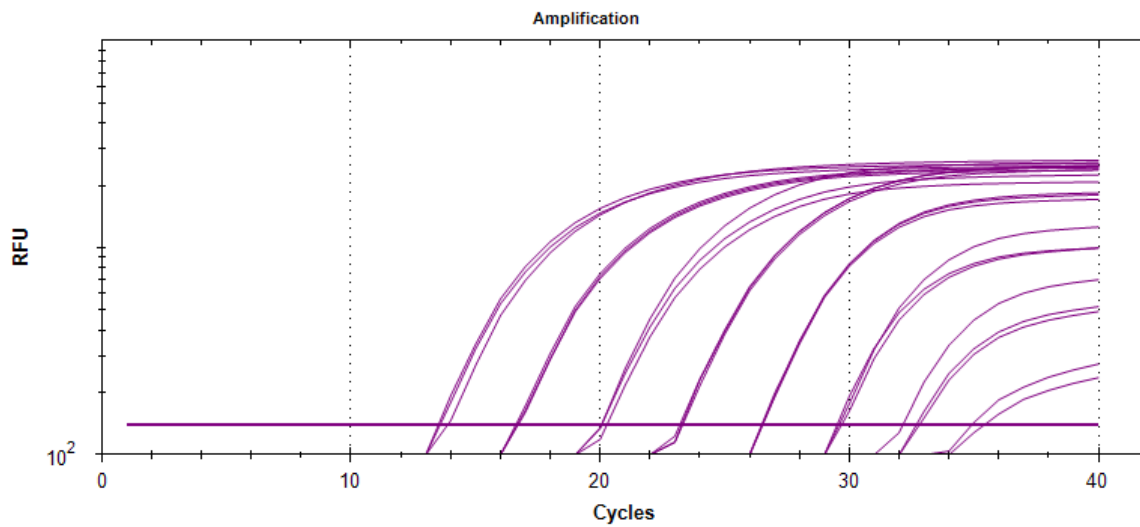


Figure 5: Logarithmic amplification curves for Bacillus thuringiensis

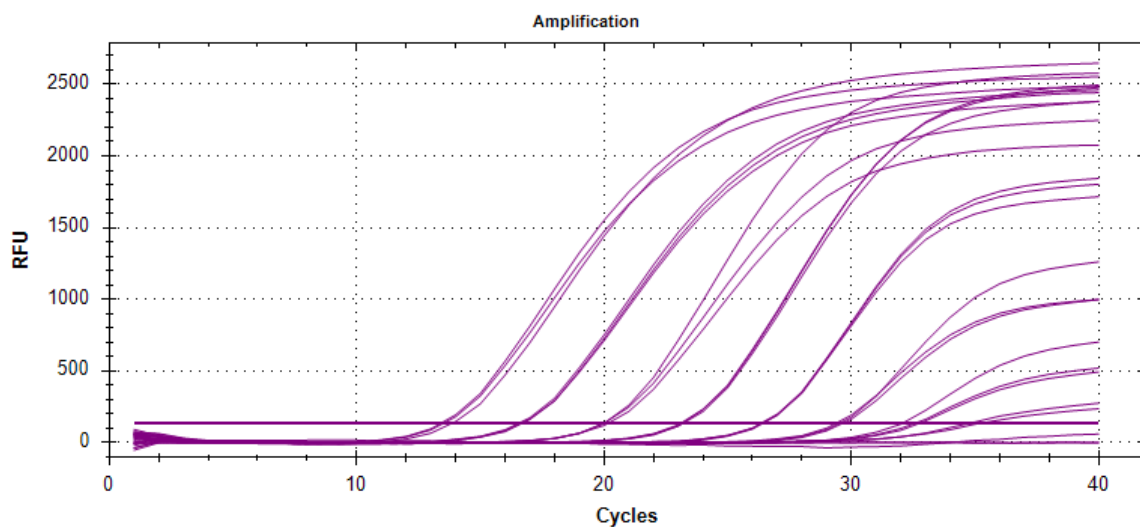


Figure 6: Standard amplification curves for *Bacillus thuringiensis*

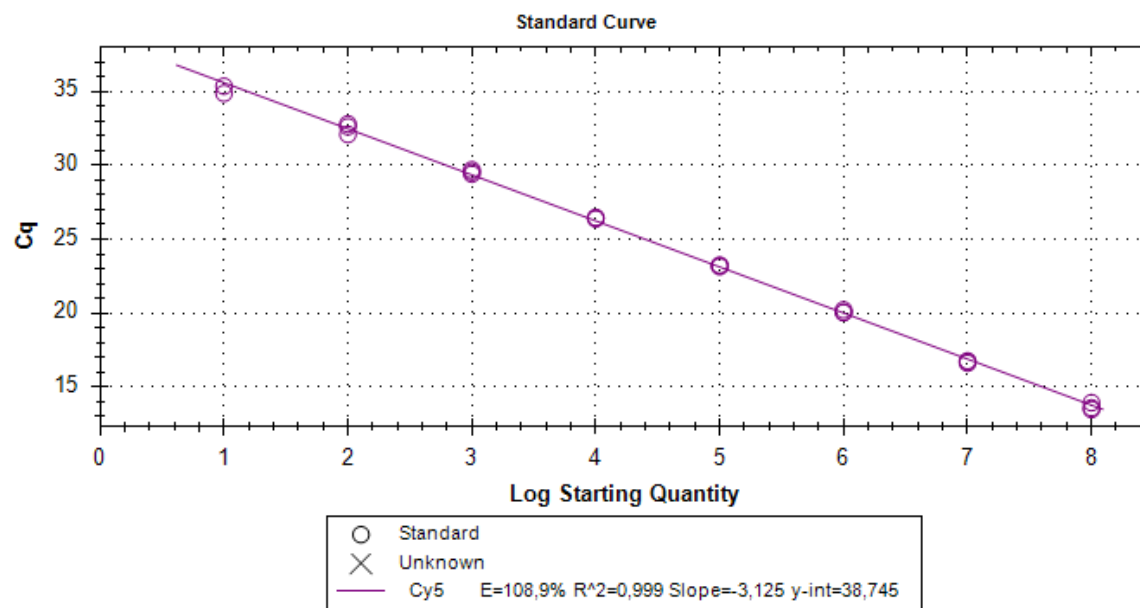


Figure 7: Standard amplification curves for *Bacillus thuringiensis*

Pathogen
<i>Bacillus cytotoxicus</i>

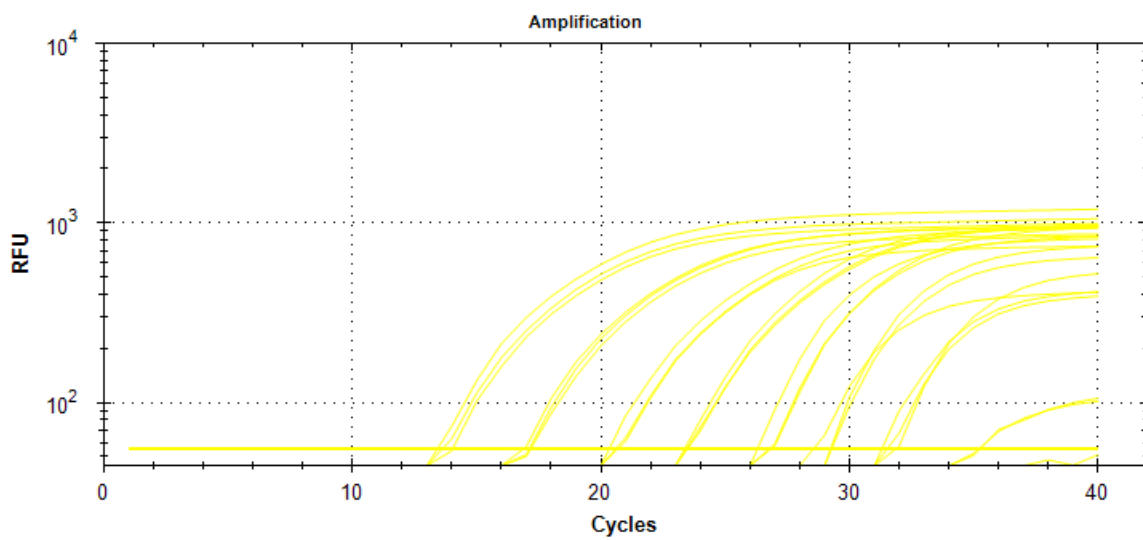


Figure 8: Logarithmic amplification curves for *Bacillus cytotoxicus*

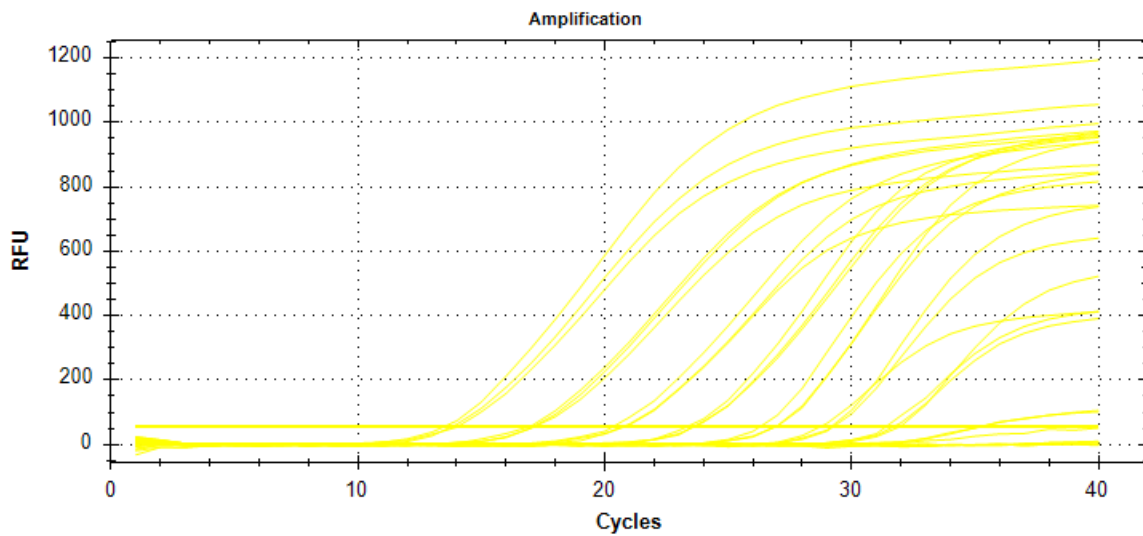


Figure 9: Standard amplification curves for *Bacillus cytotoxicus*

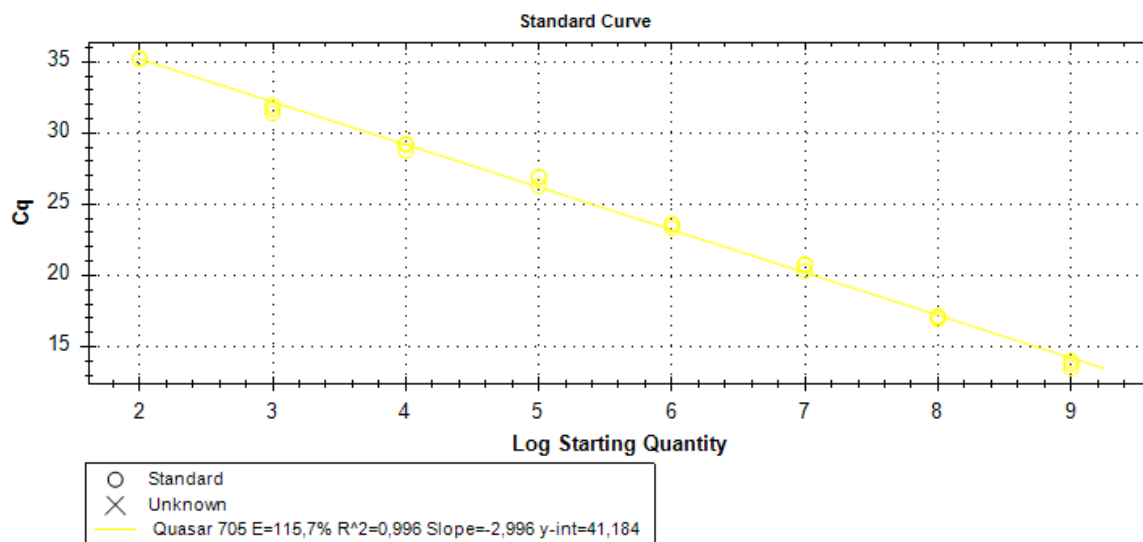


Figure 10: Standard curve for *Bacillus cytotoxicus*

Pathogen
<i>Bacillus anthracis</i>

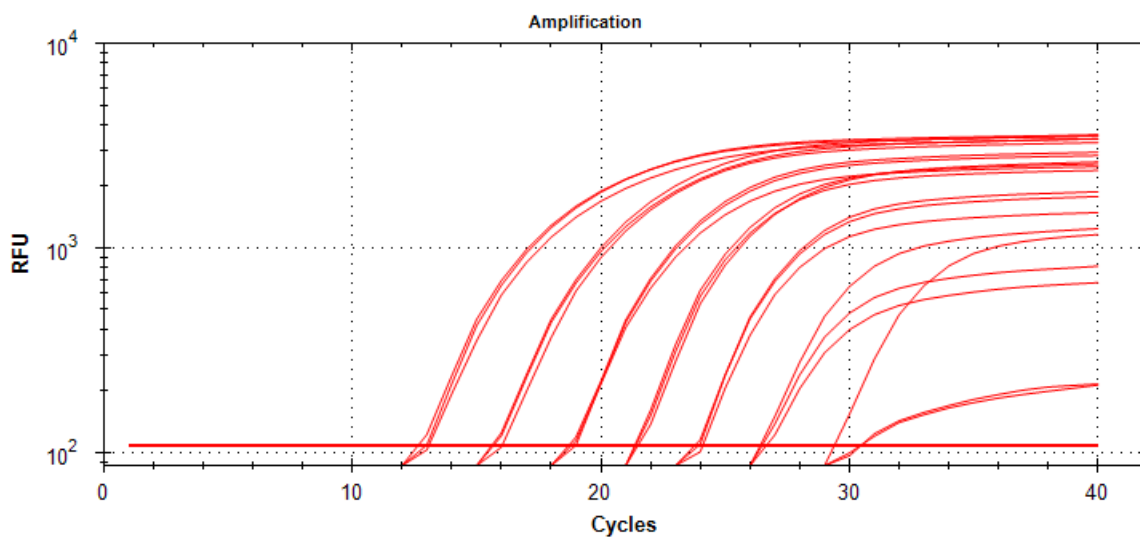


Figure 11: Logarithmic amplification curves for Bacillus anthracis

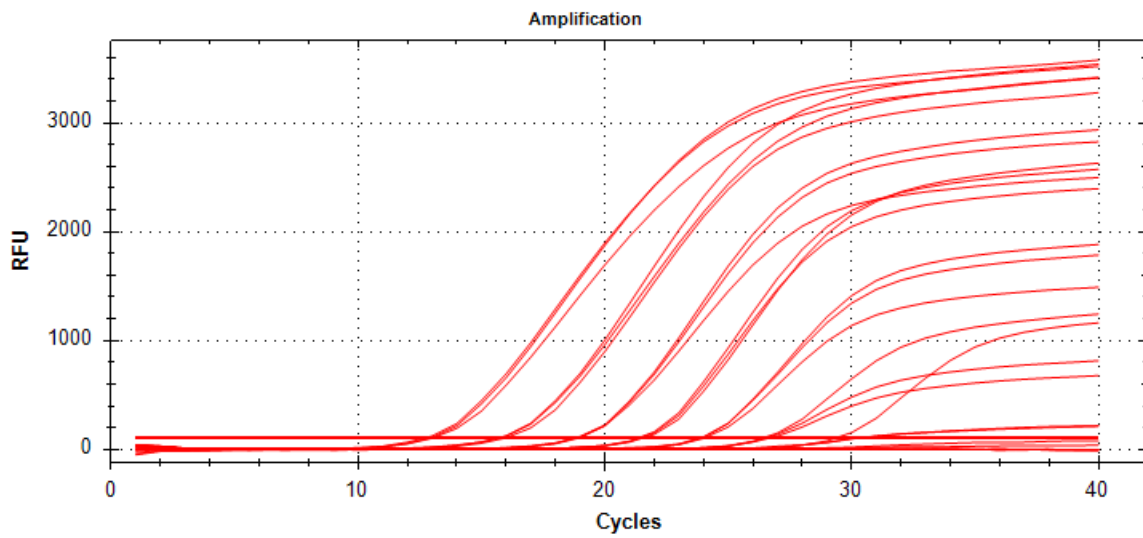


Figure 12: Standard amplification curves for *Bacillus anthracis*

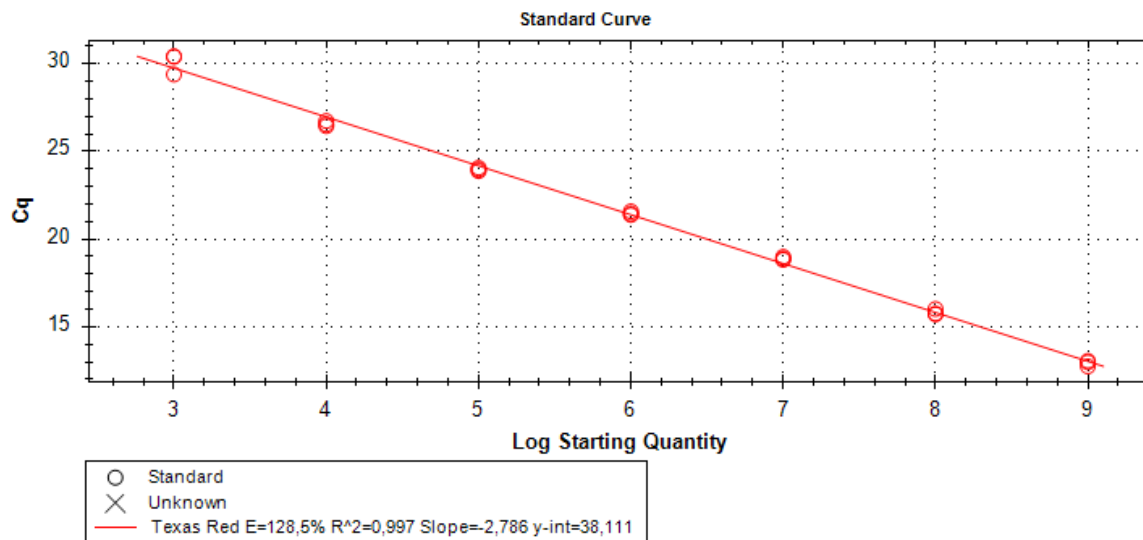


Figure 13: Standard curve for *Bacillus anthracis*

Summary of Ct values

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

Target Name	Sample Name	Reporter	Ct values
<i>Bacillus cereus</i>	1	FAM	18,15
	2	FAM	20,87
	3	FAM	23,86
	4	FAM	27,33
	5	FAM	30,08
	6	FAM	32,66
	7	FAM	35,42
	8	FAM	-
	Negative Control	FAM	Undetermined

<i>Bacillus thuringiensis</i>	1	CY5	13,56
	2	CY5	16,61
	3	CY5	20,04
	4	CY5	23,24
	5	CY5	26,44
	6	CY5	29,43
	7	CY5	32,83
	8	CY5	35,39
	Negative Control	CY5	Undetermined

<i>Bacillus cytotoxicus</i>	1	CY5.5	14,04
	2	CY5.5	16,95
	3	CY5.5	20,72
	4	CY5.5	23,61
	5	CY5.5	26,91
	6	CY5.5	28,74
	7	CY5.5	31,96
	8	CY5.5	35,21
	Negative Control	CY5.5	Undetermined

<i>Bacillus anthracis</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