BioinGentech
Biotechnology

PCR Kit Quality Control Certificate

Pathogen
Streptococcus spp.

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

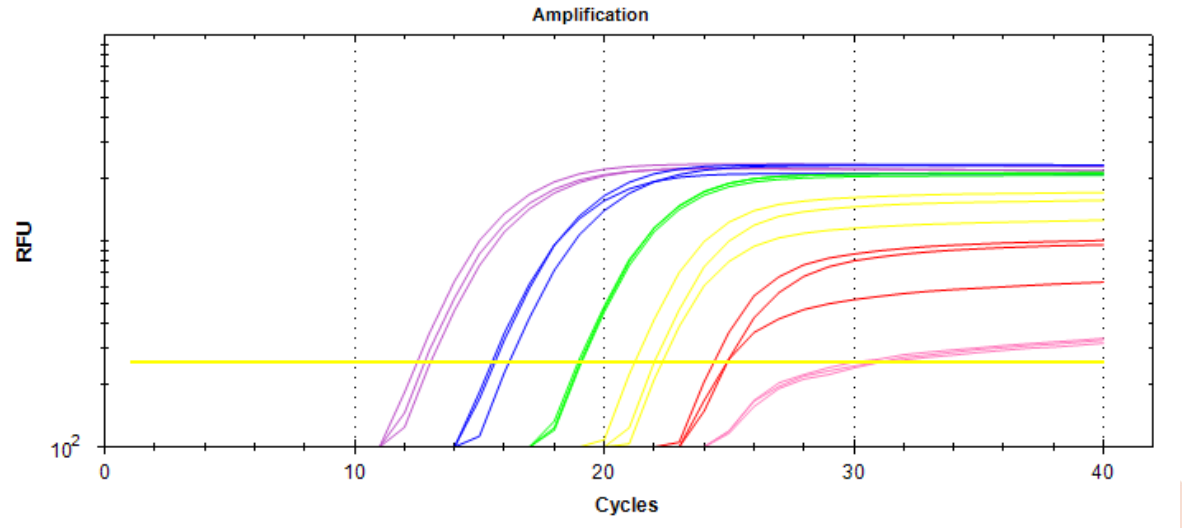


Figure 2: Logarithmic amplification curves for Streptococcus spp.

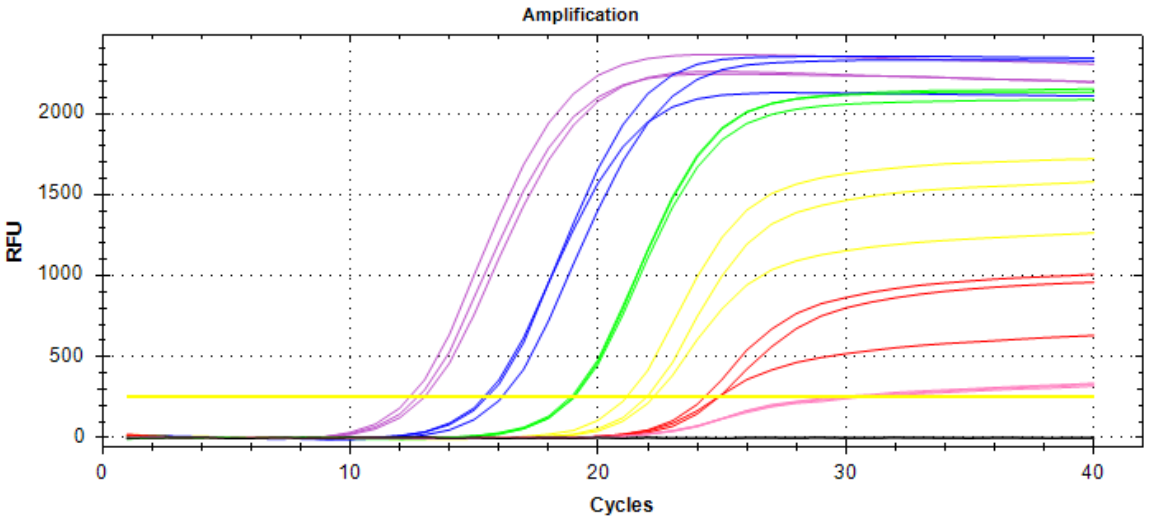


Figure 3: Standard amplification curves for Streptococcus spp.

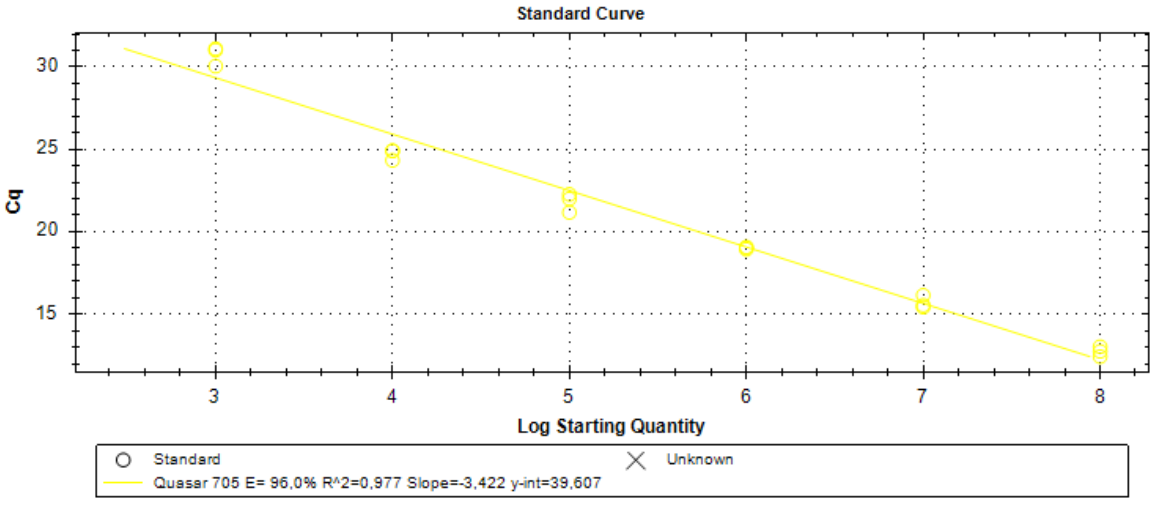


Figure 4: Standard curve for Streptococcus spp.

Pathogen

Mycoplasma spp.

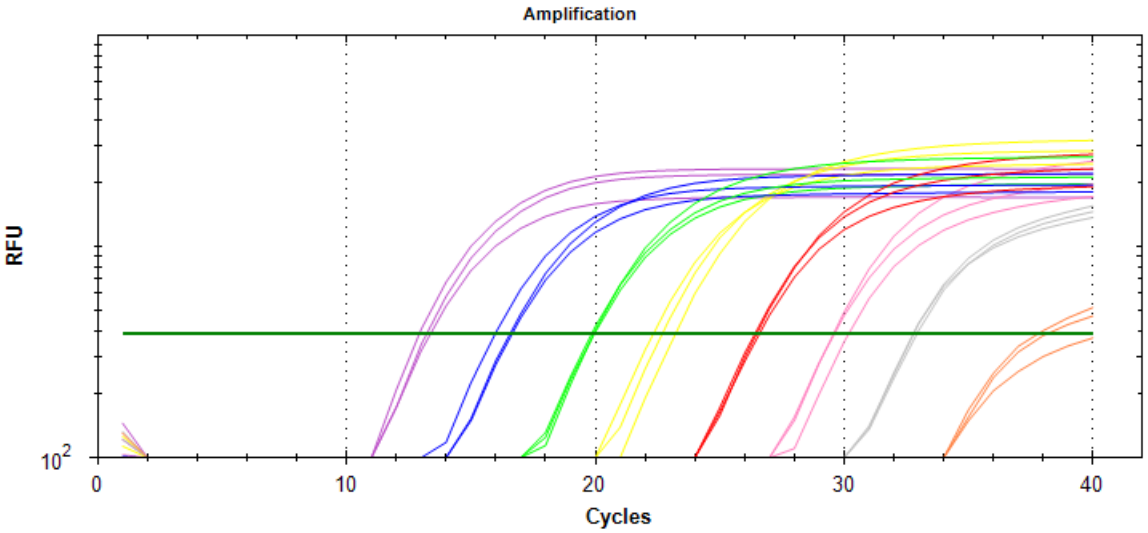


Figure 5: Logarithmic amplification curves for Mycoplasma spp.

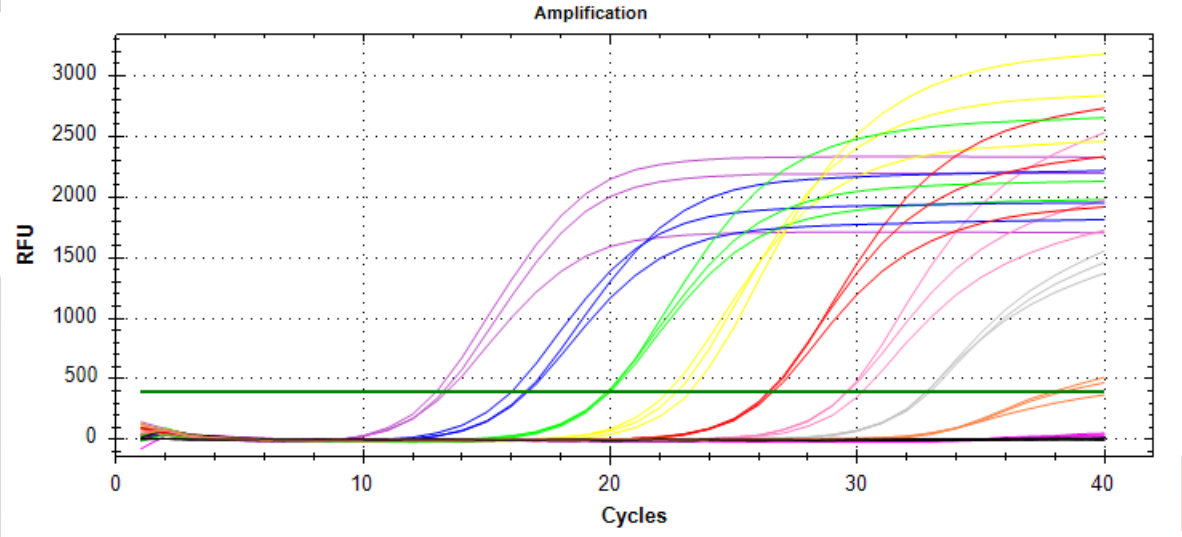


Figure 6: Standard amplification curves for Mycoplasma spp.

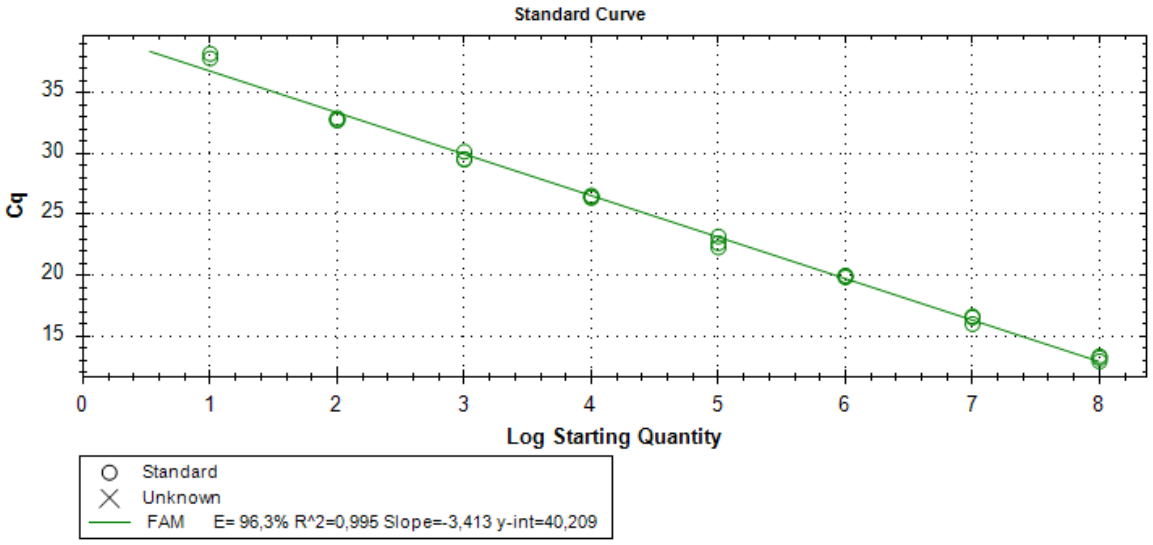


Figure 7: Standard amplification curves for Mycoplasma spp.

Pathogen
E. coli spp.

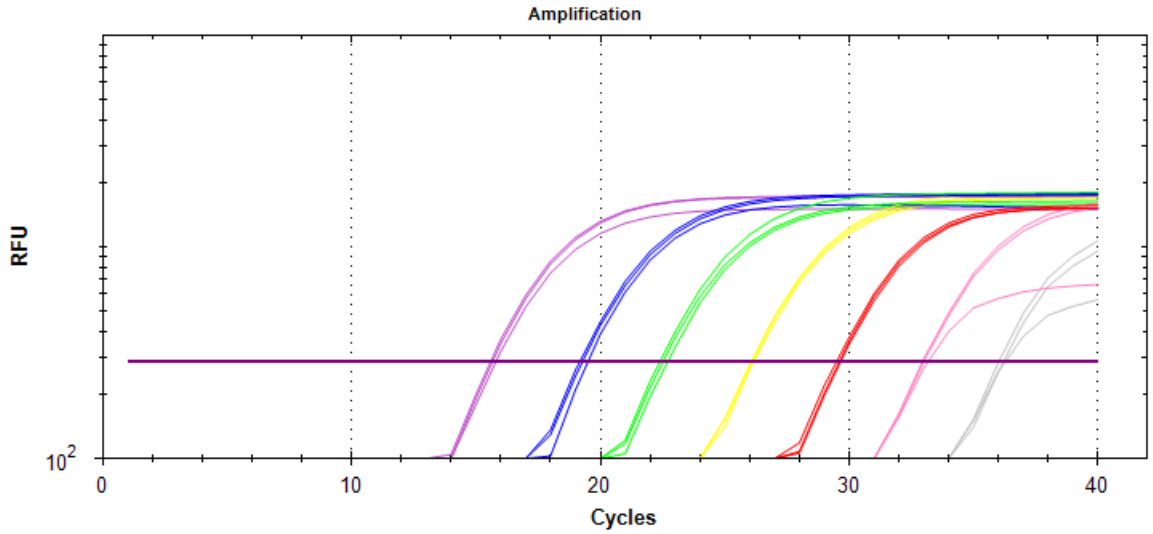


Figure 8: Logarithmic amplification curves for E. coli spp.

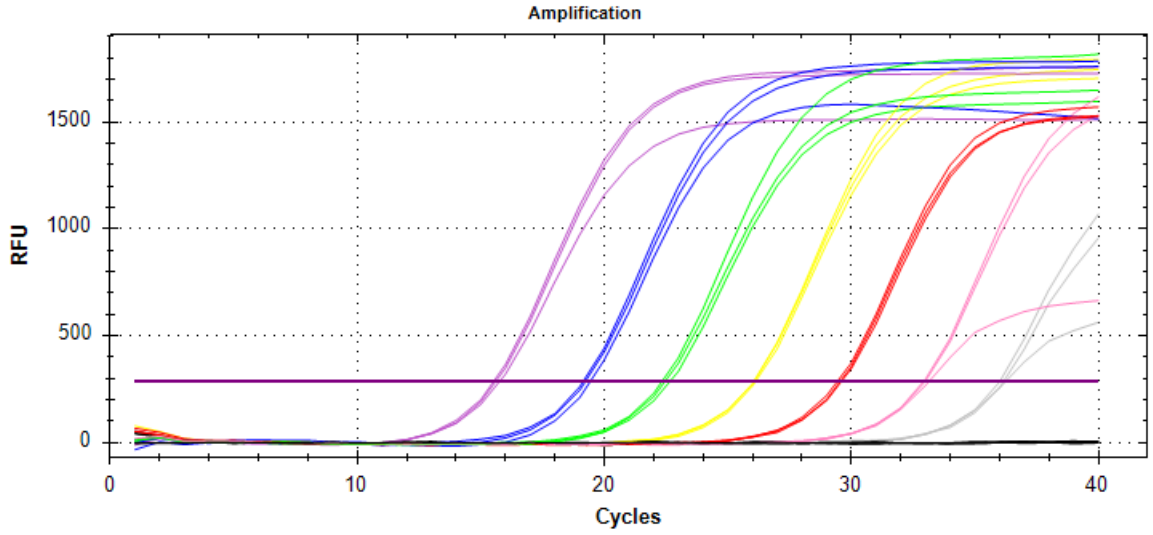


Figure 9: Standard amplification curves for E. coli spp.

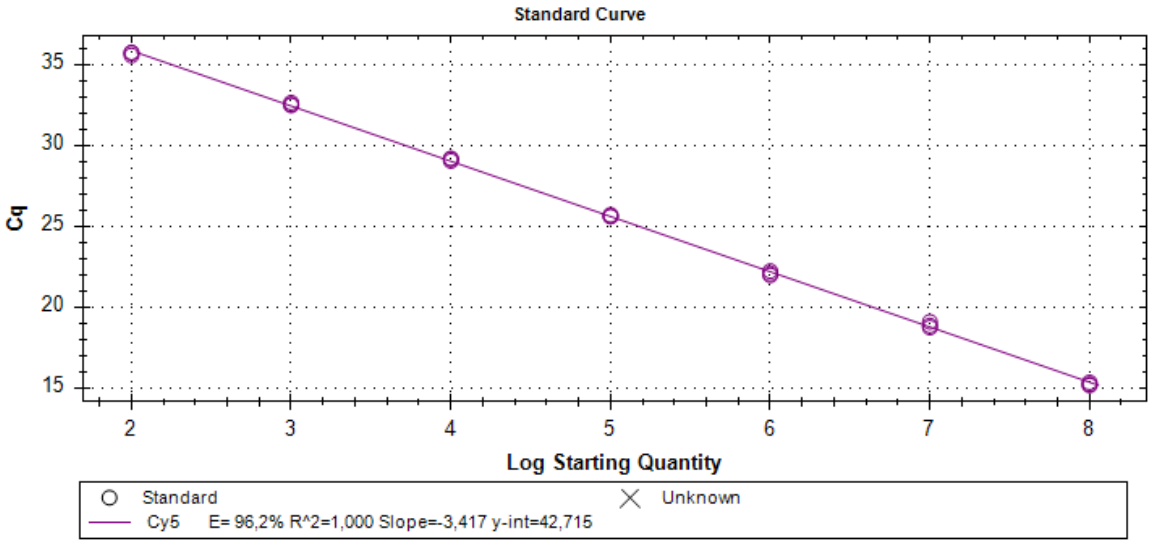


Figure 10: Standard curve for E. coli spp.

Pathogen
Aeromonas spp.

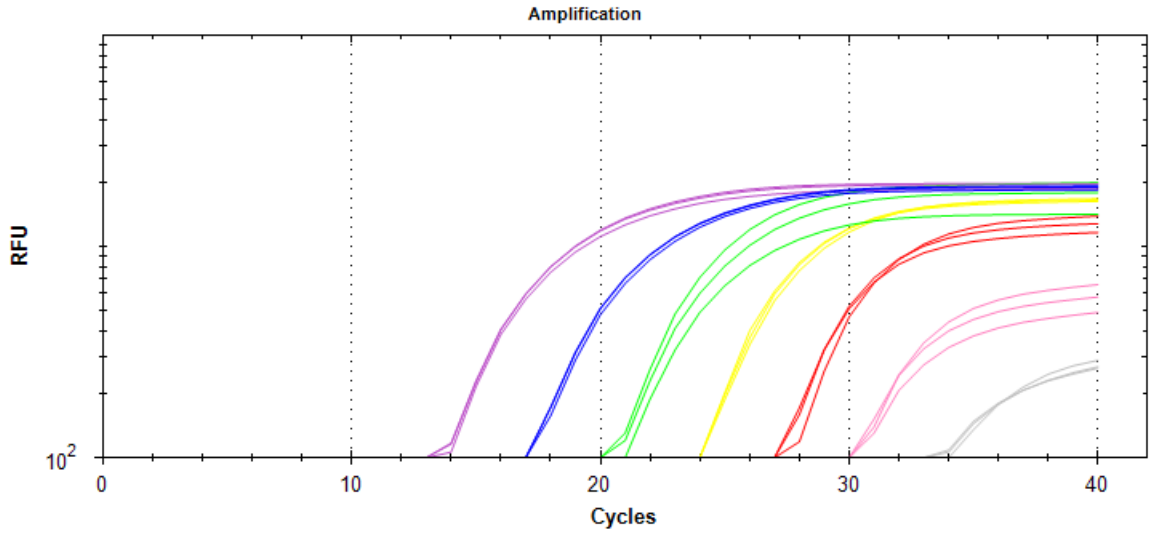


Figure 11: Logarithmic amplification curves for Aeromonas spp.

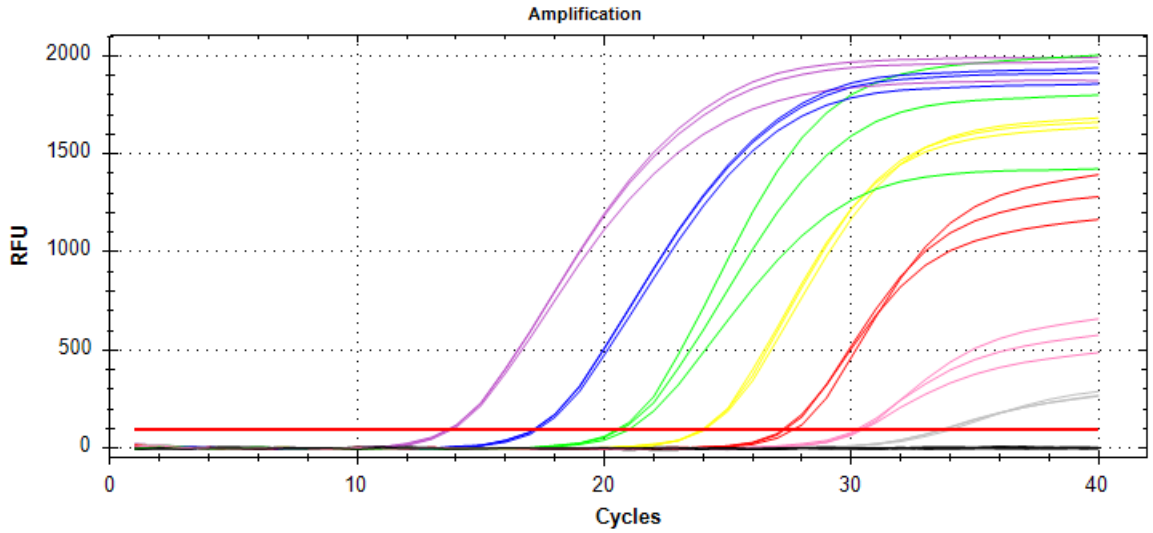


Figure 12: Standard amplification curves for Aeromonas spp.

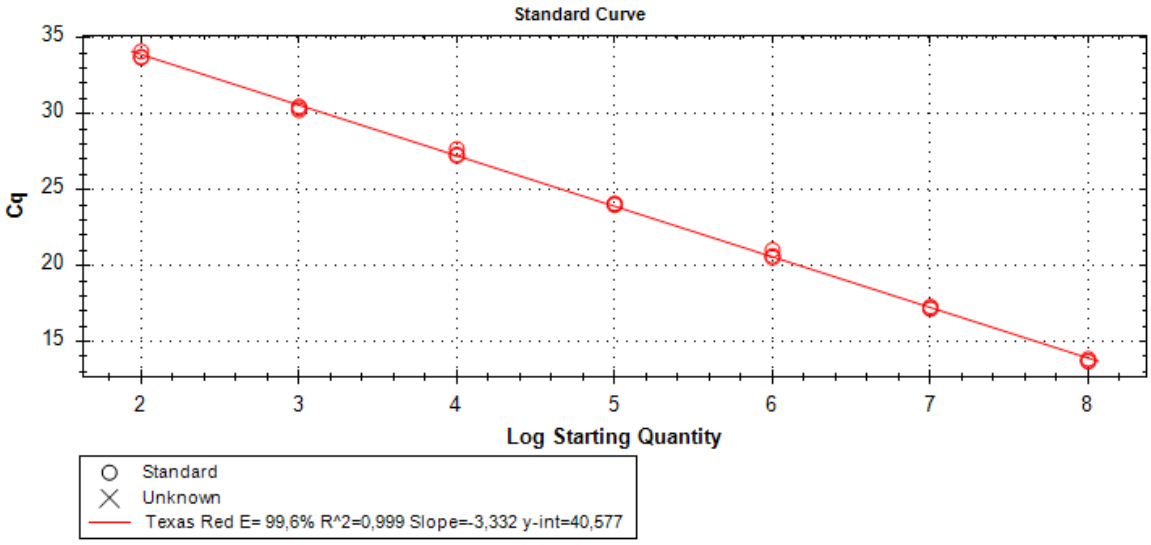


Figure 13: Standard curve for Aeromonas spp.

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
Streptococcus spp.	1	CY5.5	13,03
	2	CY5.5	16,15
	3	CY5.5	19,07
	4	CY5.5	22,27
	5	CY5.5	24,92
	6	CY5.5	30,05
	7	CY5.5	-
	8	CY5.5	-
	Negative Control	CY5.5	Undetermined

Mycoplasma spp.	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

E. coli spp.	1	CY5	15,36
	2	CY5	19,11
	3	CY5	21,99
	4	CY5	25,63
	5	CY5	29,18
	6	CY5	32,67
	7	CY5	35,59
	8	CY5	-
	Negative Control	CY5	Undetermined

Aeromonas spp.	1	ROX	15,36
	2	ROX	19,11
	3	ROX	21,99
	4	ROX	25,63
	5	ROX	29,18
	6	ROX	32,67
	7	ROX	35,59
	8	ROX	-
	Negative Control	ROX	Undetermined

Certificate validated by:

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Quality Control Managers