

PCR Kit Quality Control Certificate

Pathogen
<i>Eimeria mitis</i>

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

	1	2	3	4	5	6	7	8
	1×10^{-1}	1×10^{-2}	1×10^{-3}	1×10^{-4}	1×10^{-5}	1×10^{-6}	1×10^{-7}	1×10^{-8}
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

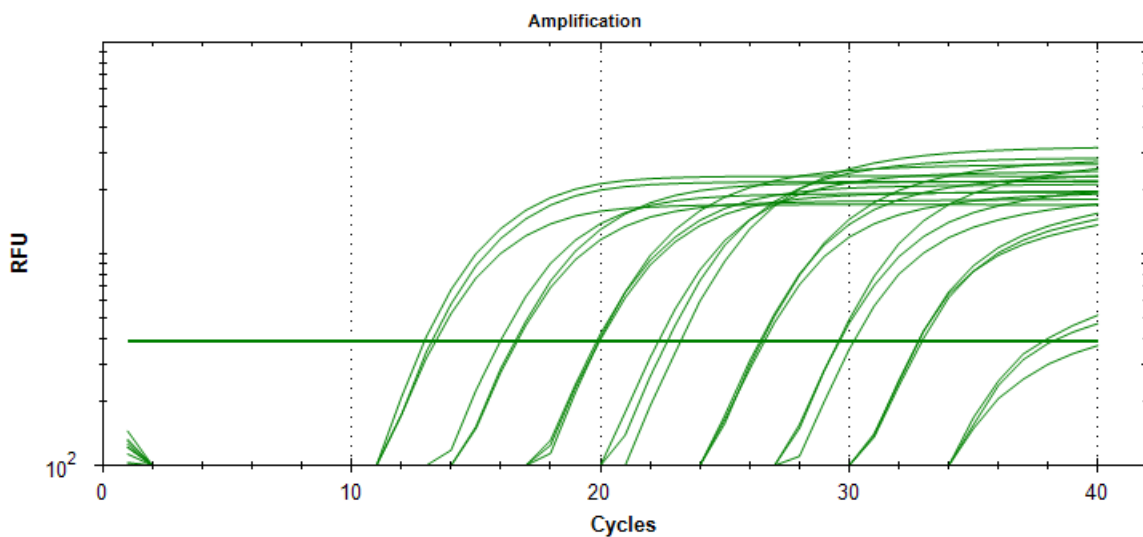


Figure 2: Logarithmic amplification curves for *Eimeria mitis*

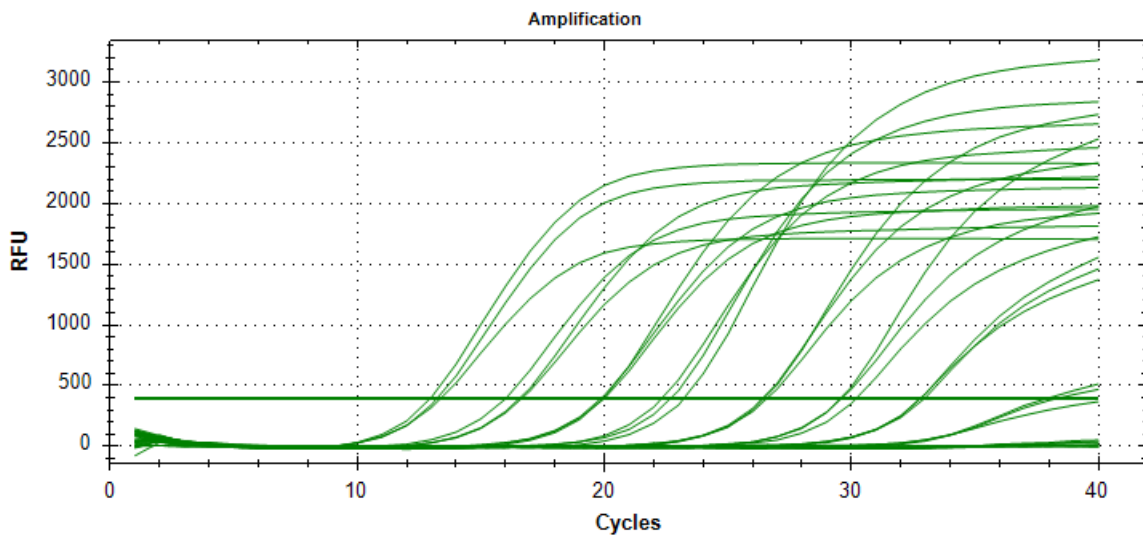


Figure 3: Standard amplification curves for *Eimeria mitis*

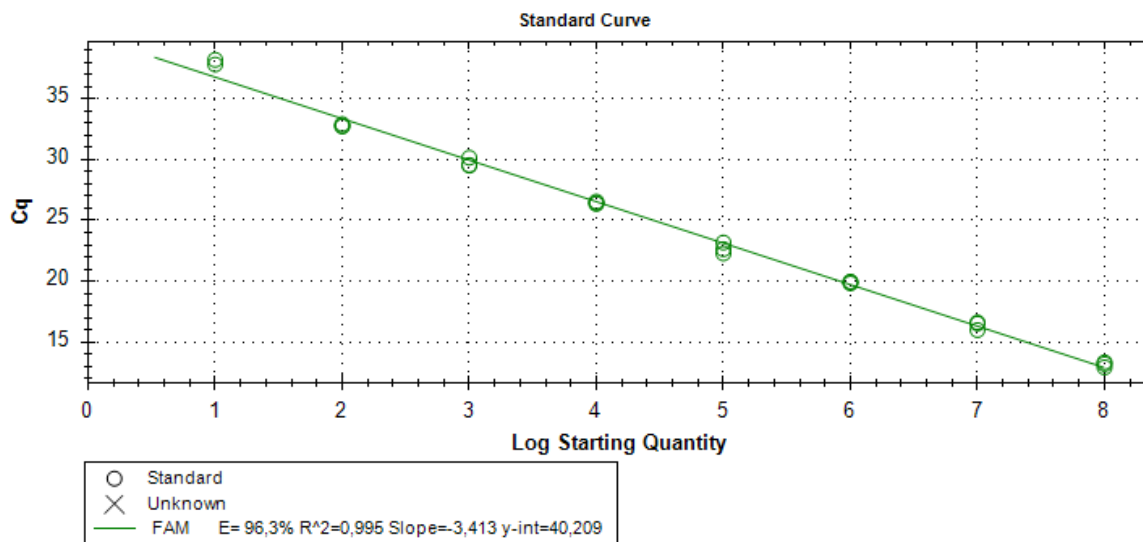


Figure 4: Standard curve for *Eimeria mitis*

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Eimeria necatrix

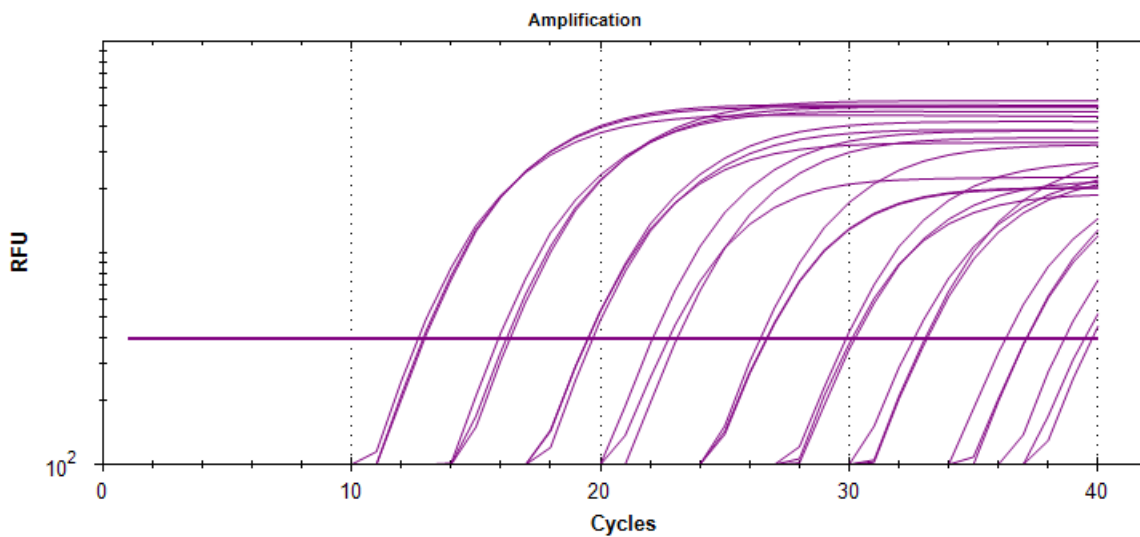


Figure 5: Logarithmic amplification curves for *Eimeria necatrix*

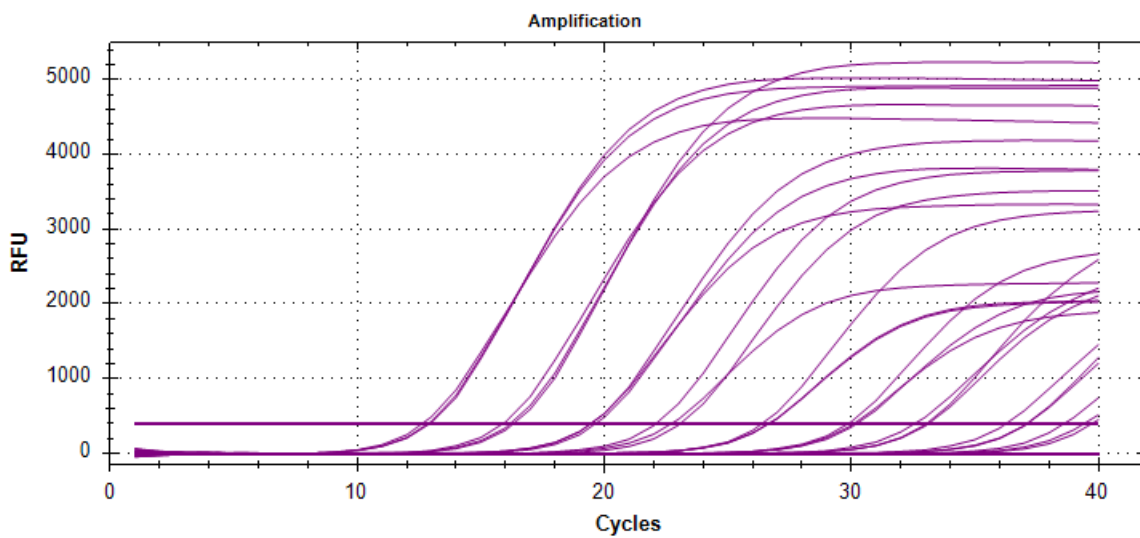


Figure 6: Standard amplification curves for *Eimeria necatrix*

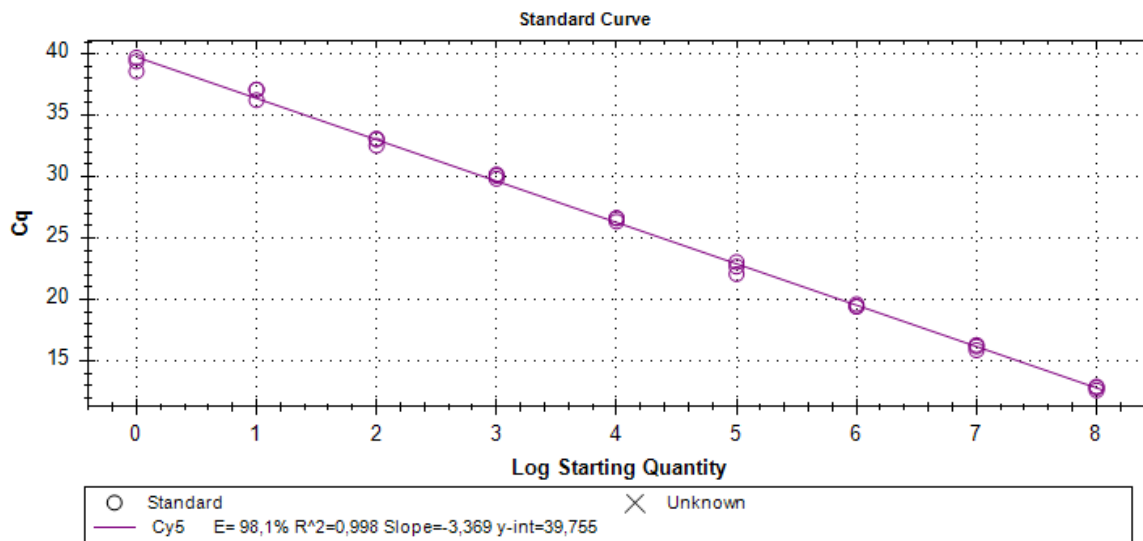


Figure 7: Standard amplification curves for *Eimeria necatrix*

Pathogen
<i>Eimeria praecox</i>

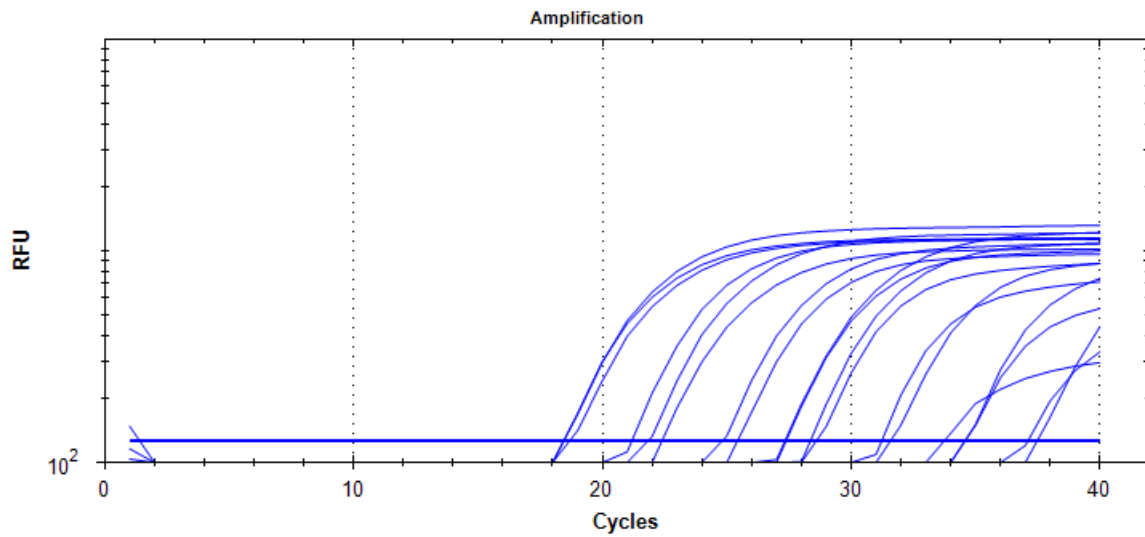


Figure 11: Logarithmic amplification curves for *Eimeria praecox*

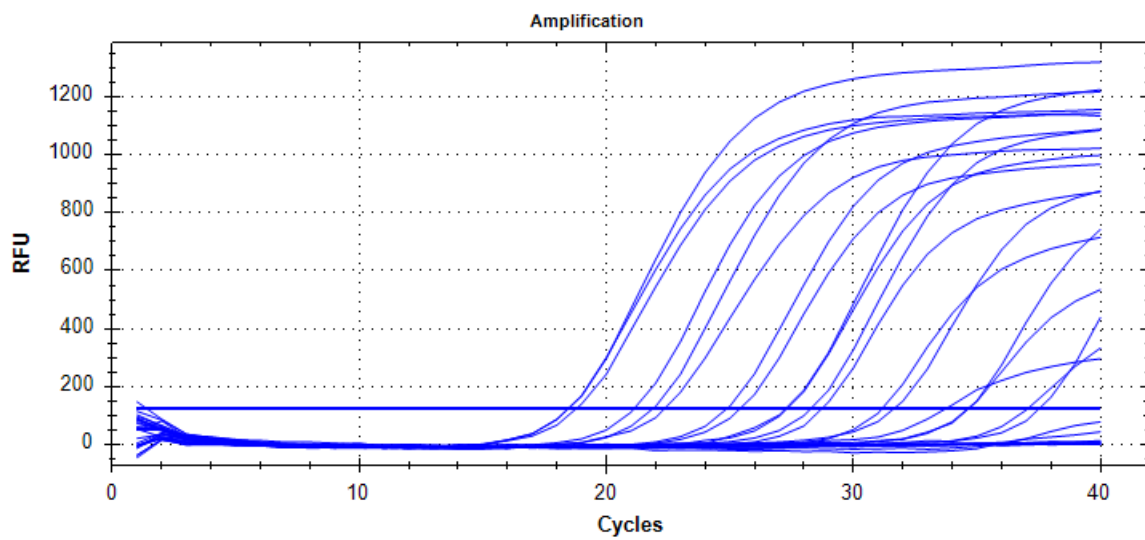


Figure 12: Standard amplification curves for *Eimeria praecox*

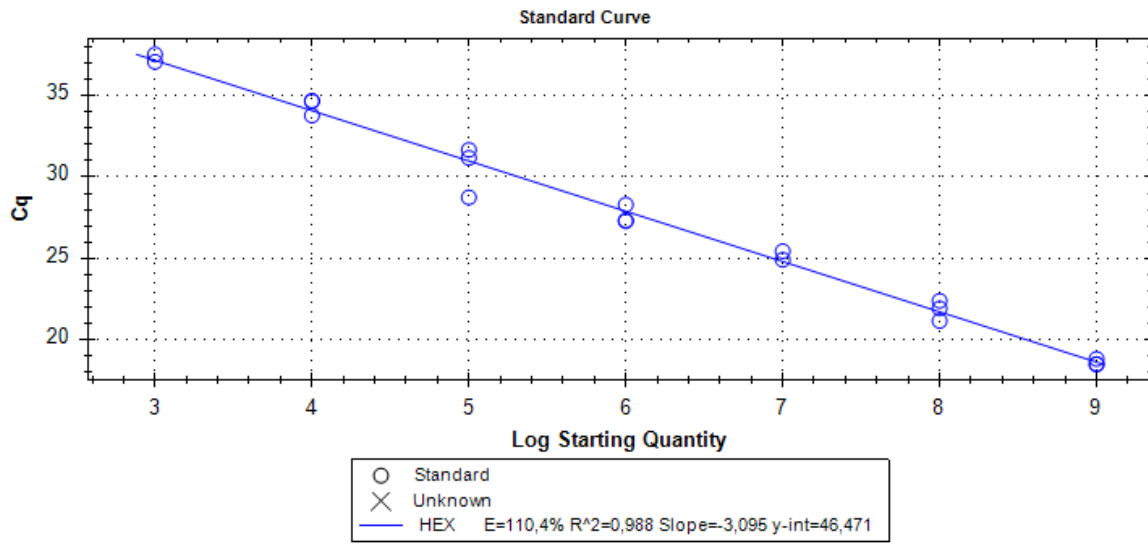


Figure 13: Standard curve for *Eimeria praecox*

Pathogen
<i>Eimeria brunetti</i>

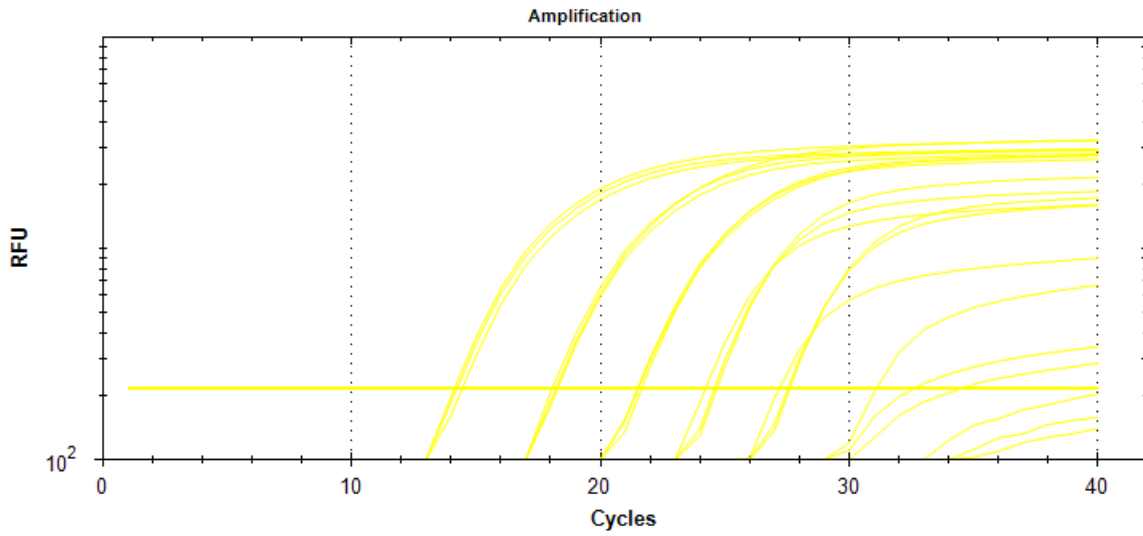


Figure 11: Logarithmic amplification curves for *Eimeria brunetti*

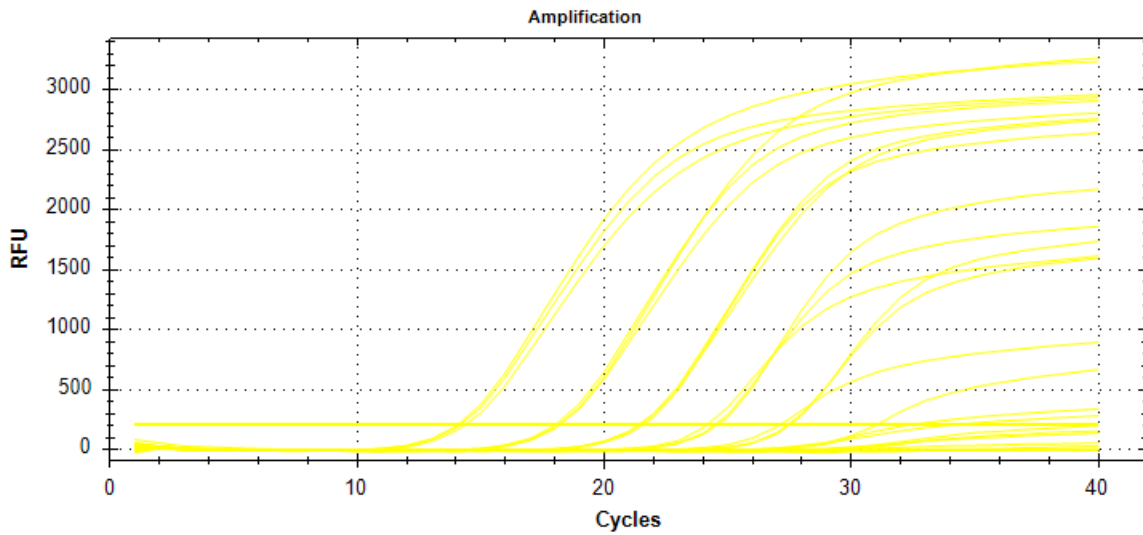


Figure 12: Standard amplification curves for *Eimeria brunetti*

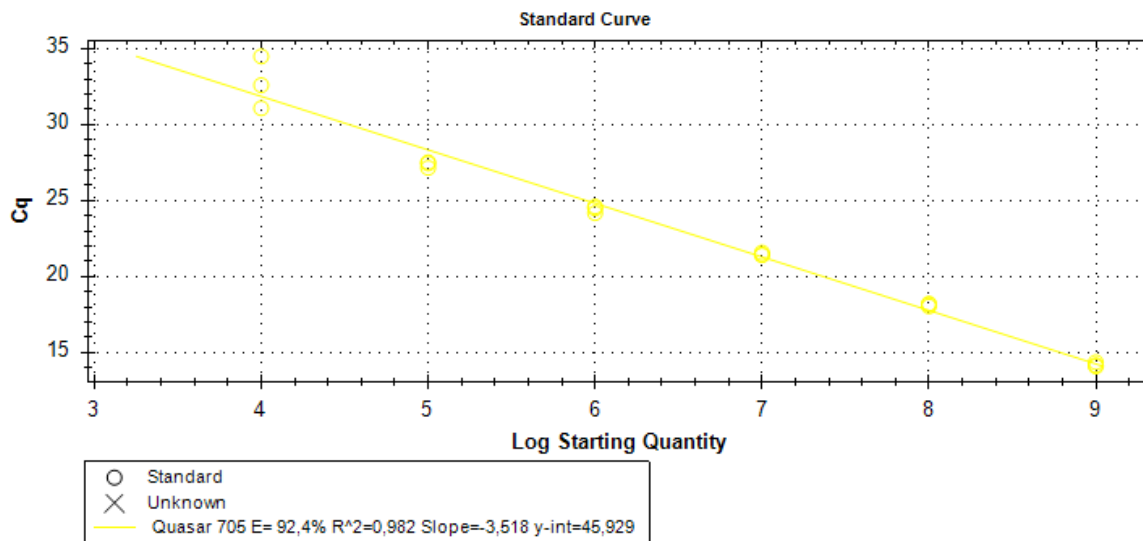


Figure 13: Standard curve for *Eimeria brunetti*

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>Eimeria mitis</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>Eimeria necatrix</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>Eimeria praecox</i>	1	HEX	18,49
	2	HEX	22,38
	3	HEX	24,91
	4	HEX	27,28
	5	HEX	28,75
	6	HEX	33,79
	7	HEX	37,55
	8	HEX	-
	Negative Control	HEX	Undetermined

<i>Eimeria brunetti</i>	1	CY5.5	14,37
	2	CY5.5	18,17
	3	CY5.5	21,58
	4	CY5.5	24,60
	5	CY5.5	27,45
	6	CY5.5	34,48
	7	CY5.5	-
	8	CY5.5	-
	Negative Control	CY5.5	Undetermined

Pathogen
<i>Eimeria magna</i>

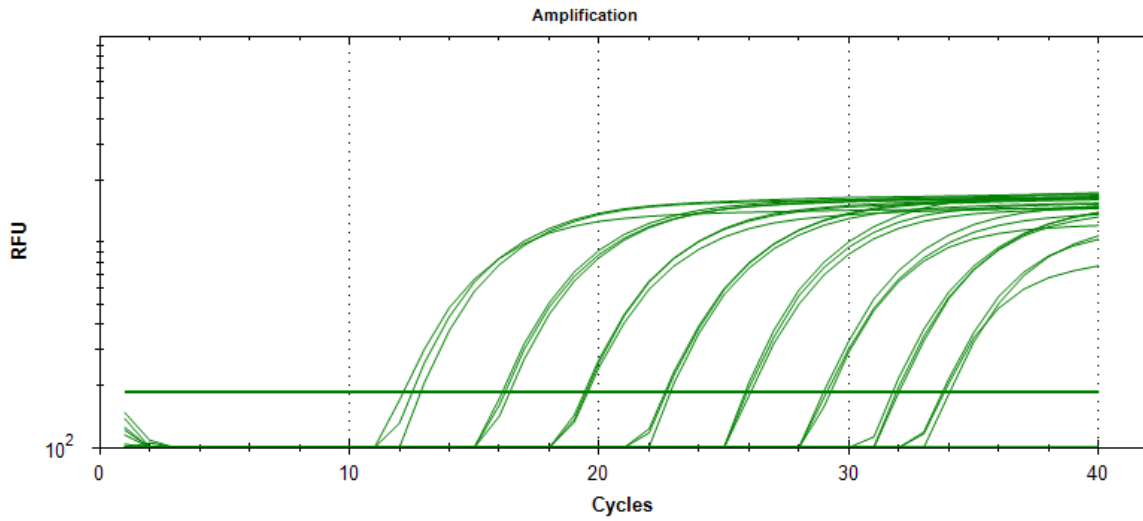


Figure 8: Logarithmic amplification curves for *Eimeria magna*

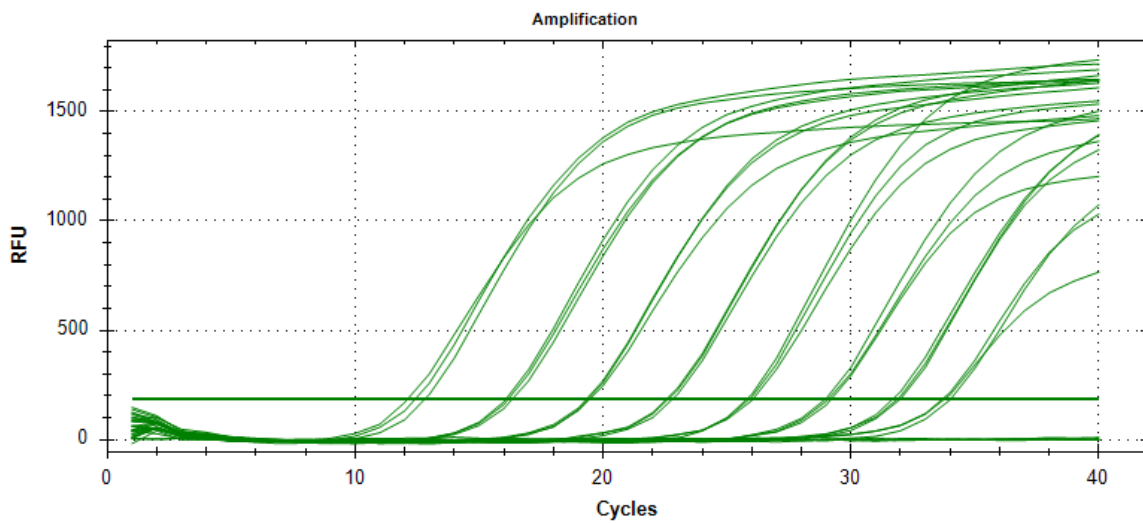


Figure 9: Standard amplification curves for *Eimeria magna*

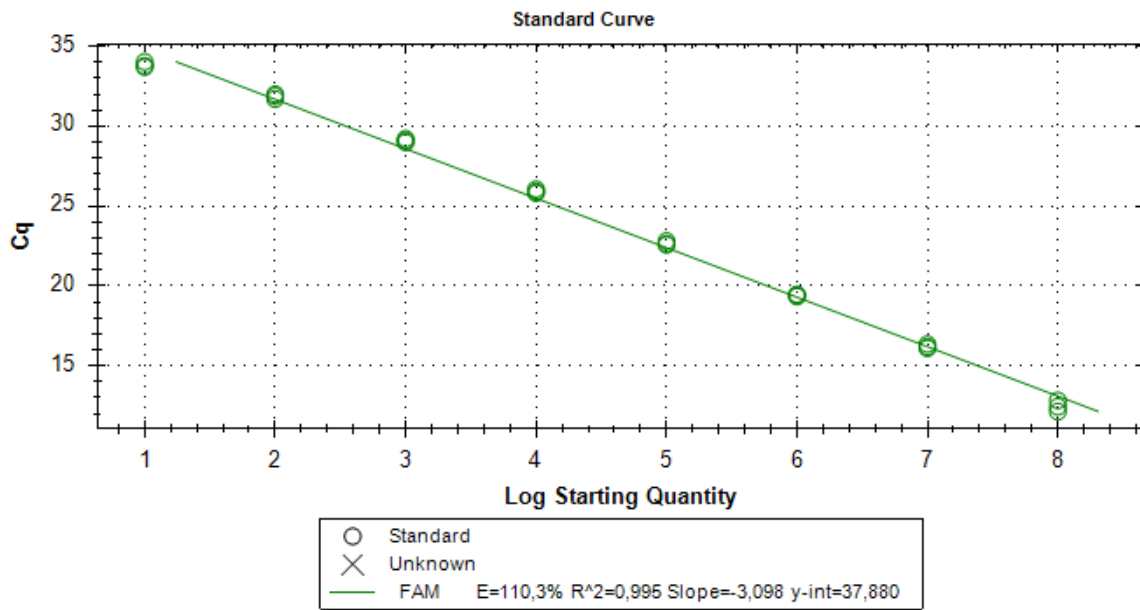


Figure 10: Standard curve for *Eimeria magna*

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Eimeria acervuline

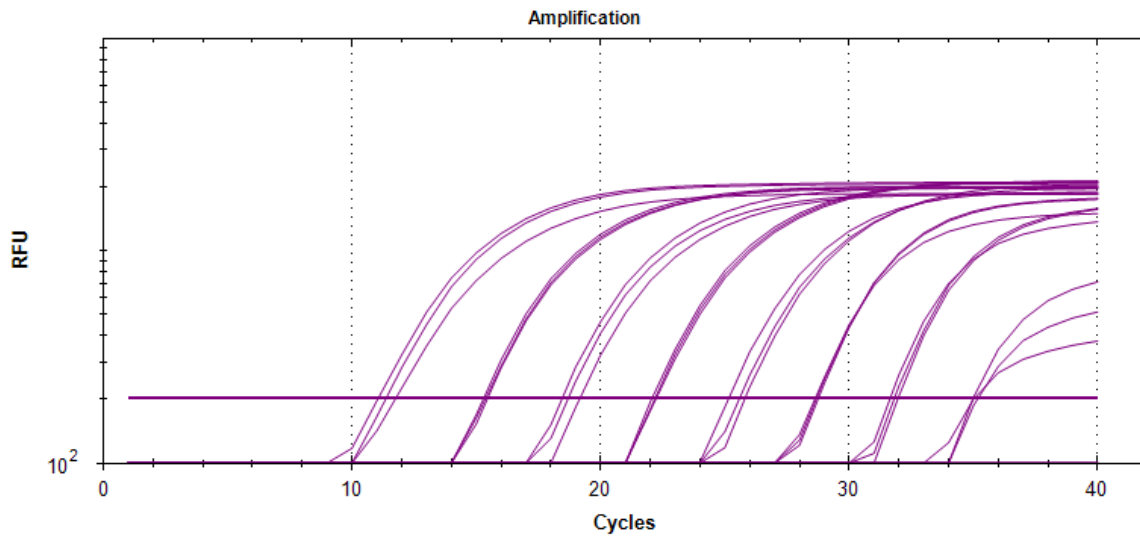


Figure 5: Logarithmic amplification curves for *Eimeria acervuline*

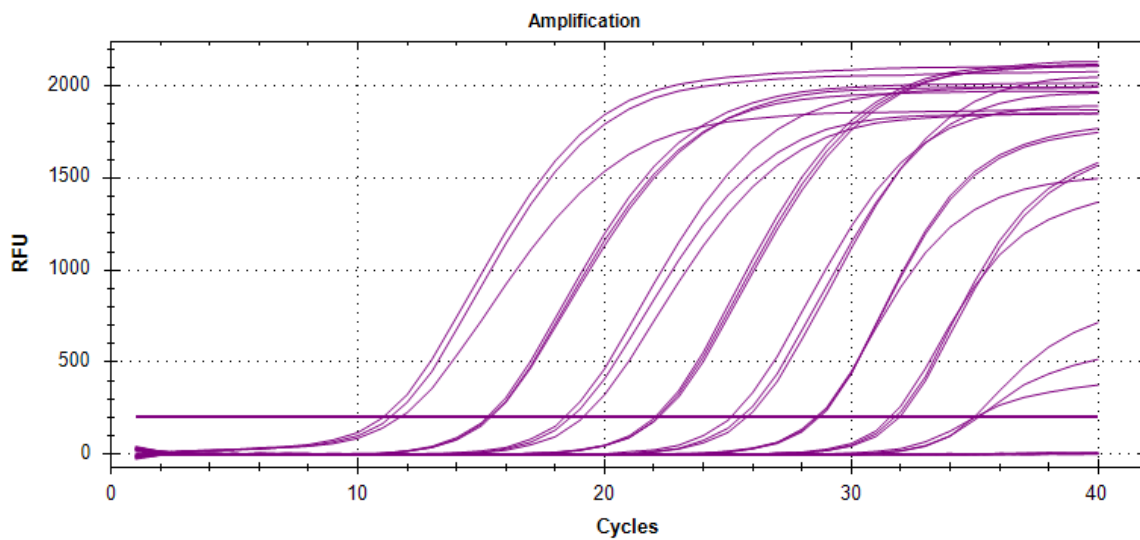


Figure 6: Standard amplification curves for *Eimeria acervuline*

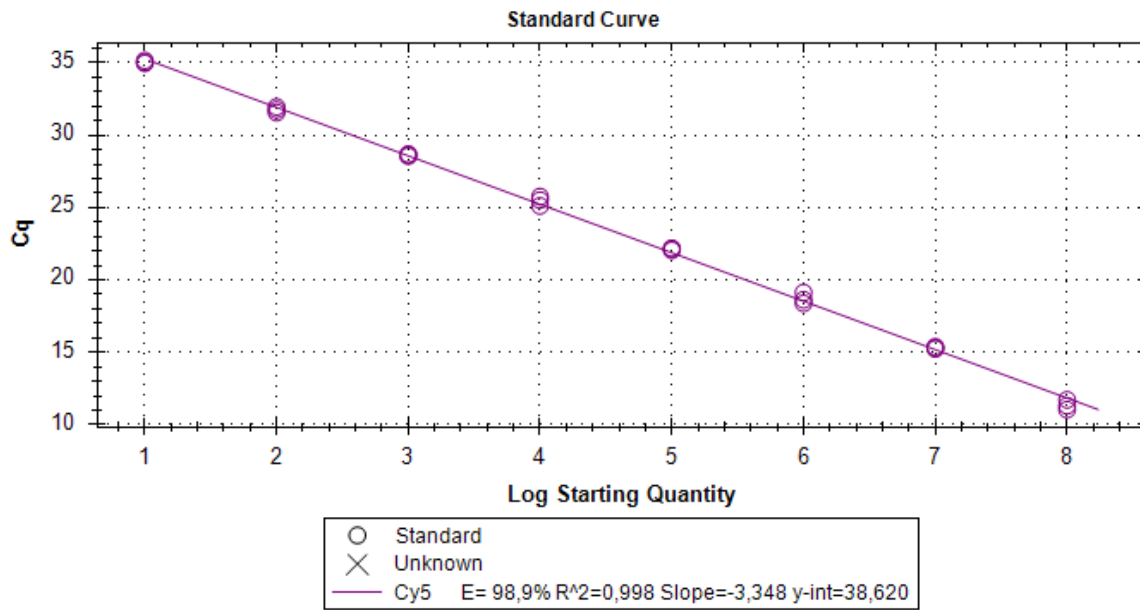


Figure 7: Standard amplification curves for *Eimeria acervuline*

Pathogen
<i>Eimeria maxima</i>

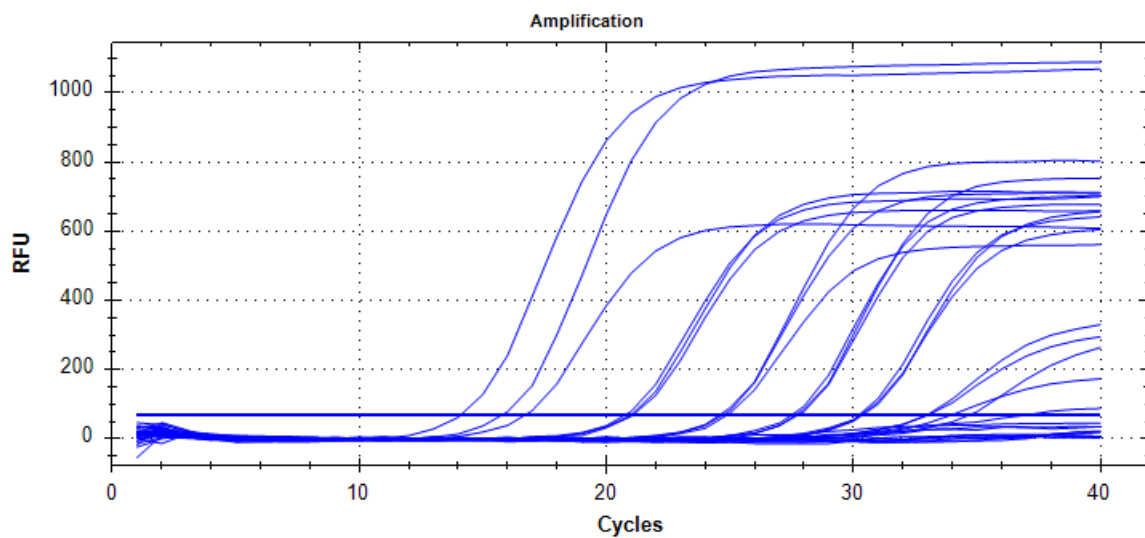


Figure 5: Logarithmic amplification curves for *Eimeria maxima*

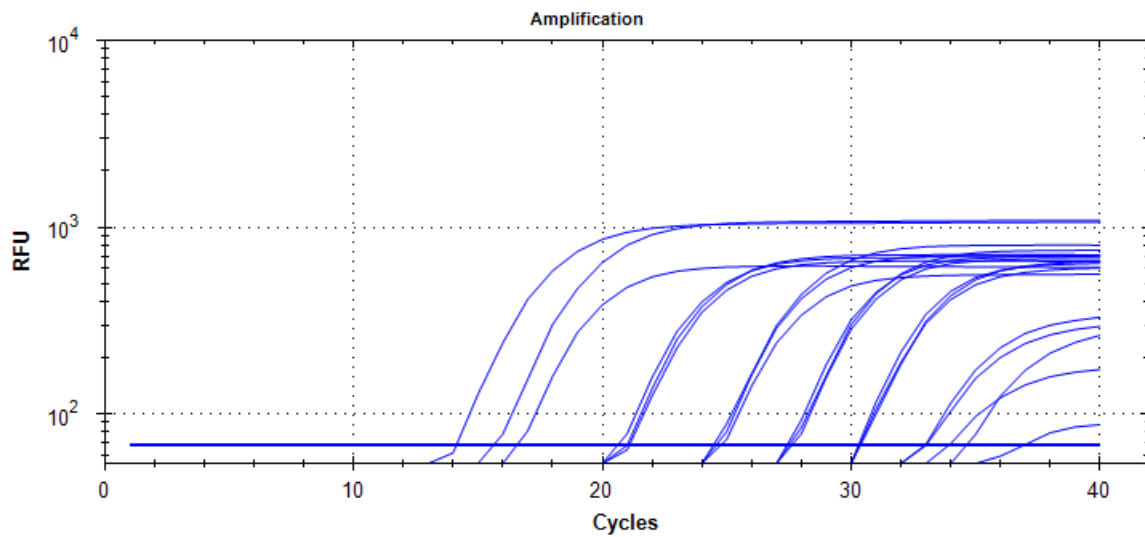
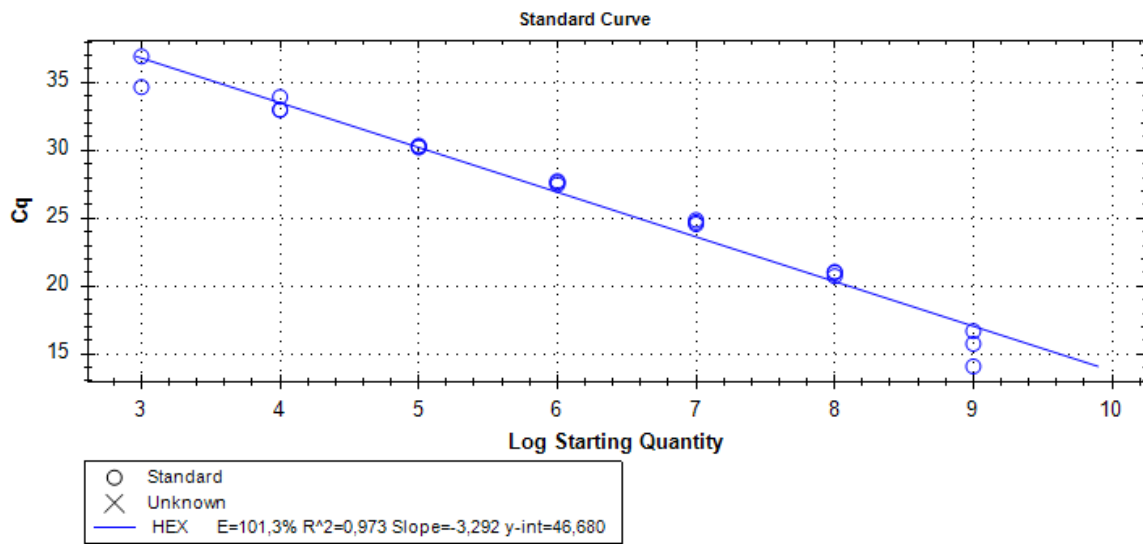


Figure 6: Standard amplification curves for *Eimeria maxima*



Eimeria tenella

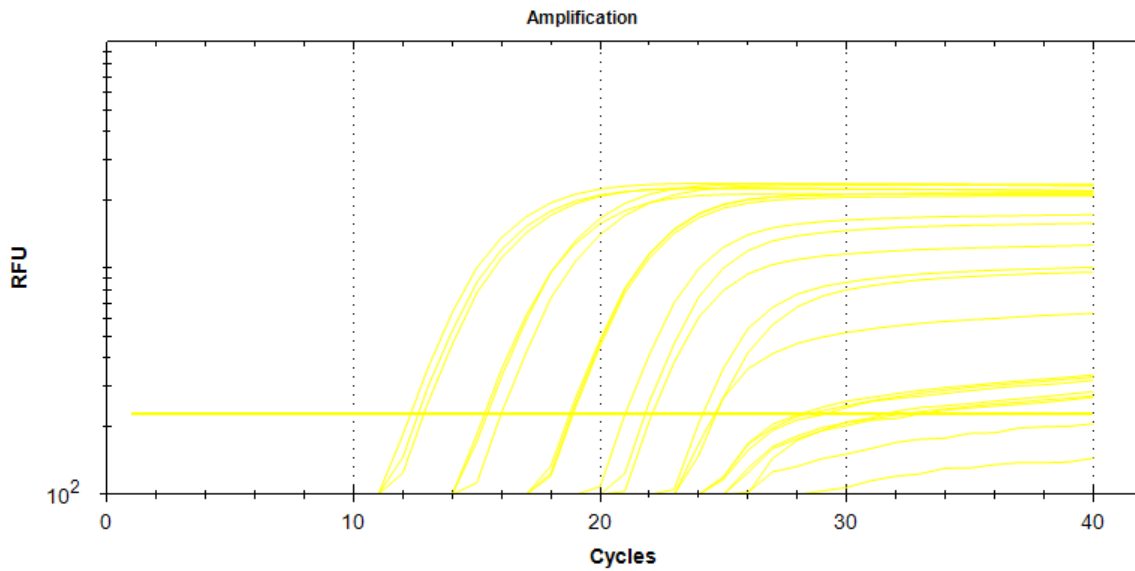


Figure 5: Logarithmic amplification curves for *Eimeria tenella*

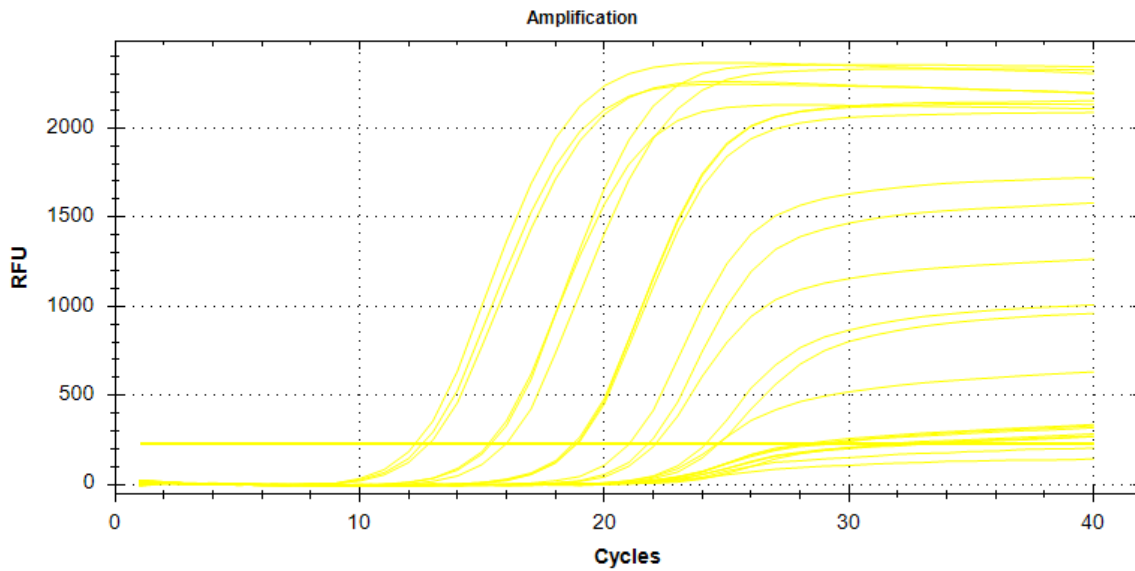


Figure 6: Standard amplification curves for *Eimeria tenella*

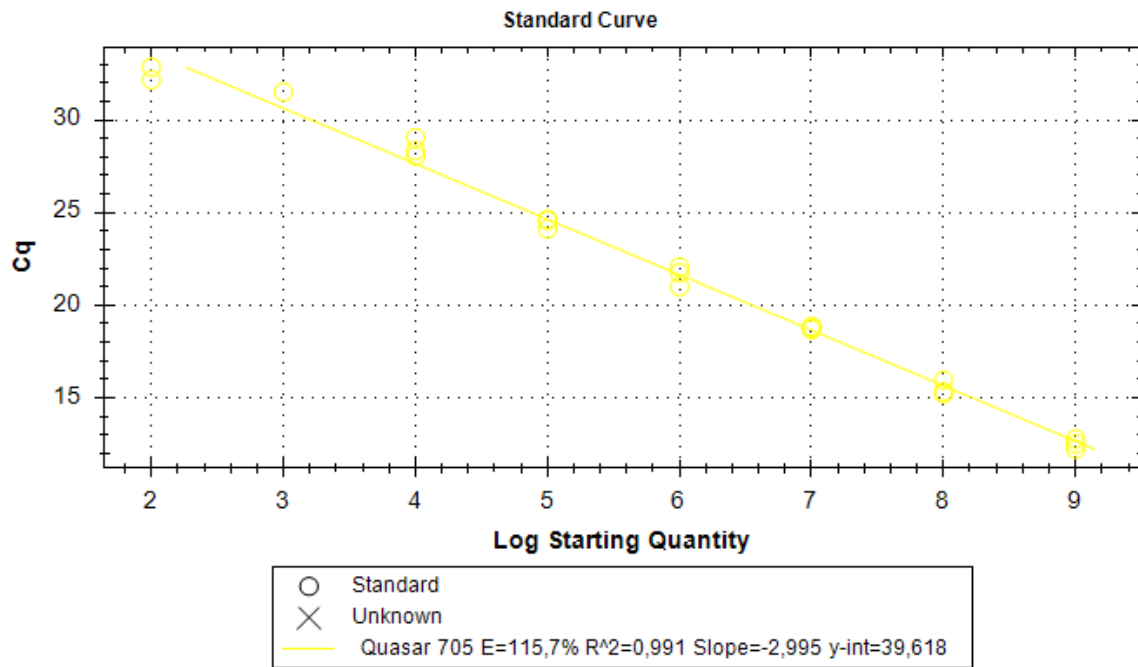


Figure 7: Standard amplification curves for *Eimeria tenella*

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>Eimeria magna</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>Eimeria acervuline</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

<i>Eimeria maxima</i>	1	HEX	11,72
	2	HEX	15,39
	3	HEX	19,14
	4	HEX	22,19
	5	HEX	25,76
	6	HEX	28,57
	7	HEX	31,96
	8	HEX	34,98
	Negative Control	HEX	Undetermined

<i>Eimeria tenella</i>	1	CY5.5	12,8
	2	CY5.5	15,97
	3	CY5.5	18,86
	4	CY5.5	22,08
	5	CY5.5	24,64
	6	CY5.5	28,06
	7	CY5.5	31,51
	8	CY5.5	32,85
	Negative Control	CY5.5	Undetermined

Certificate validated by:
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Quality Control Managers