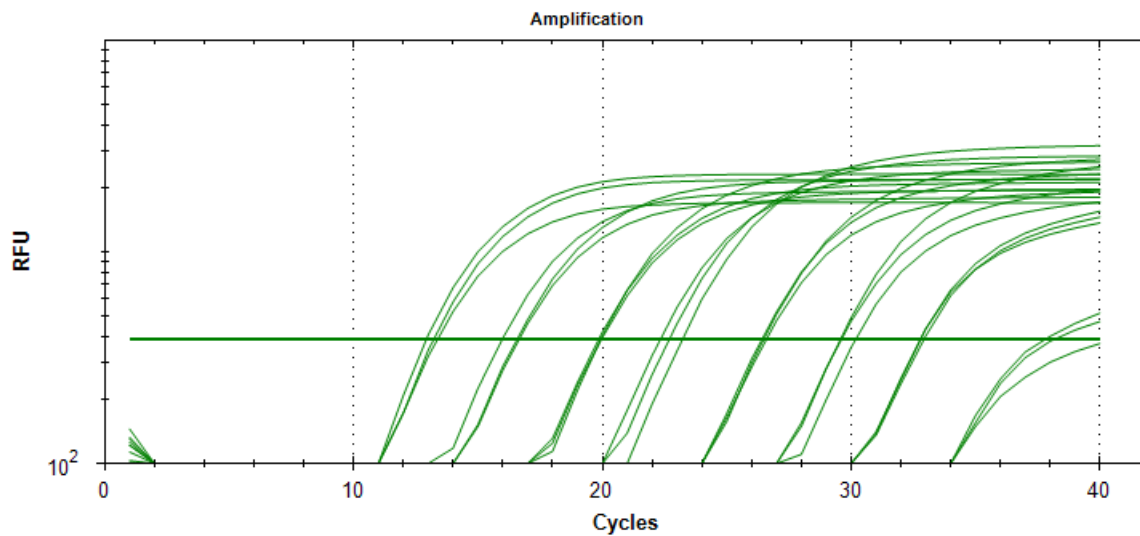


PCR Kit Quality Control Certificate

Gene
<i>blaKPC</i>

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 *blaKPC**

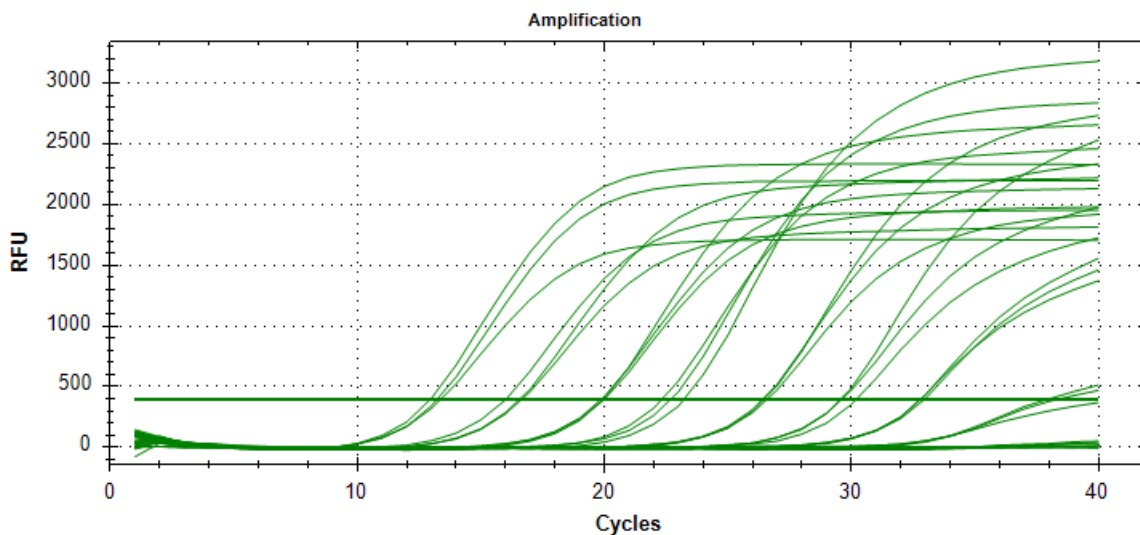


Figure 2: Standard amplification curves for blaKPC

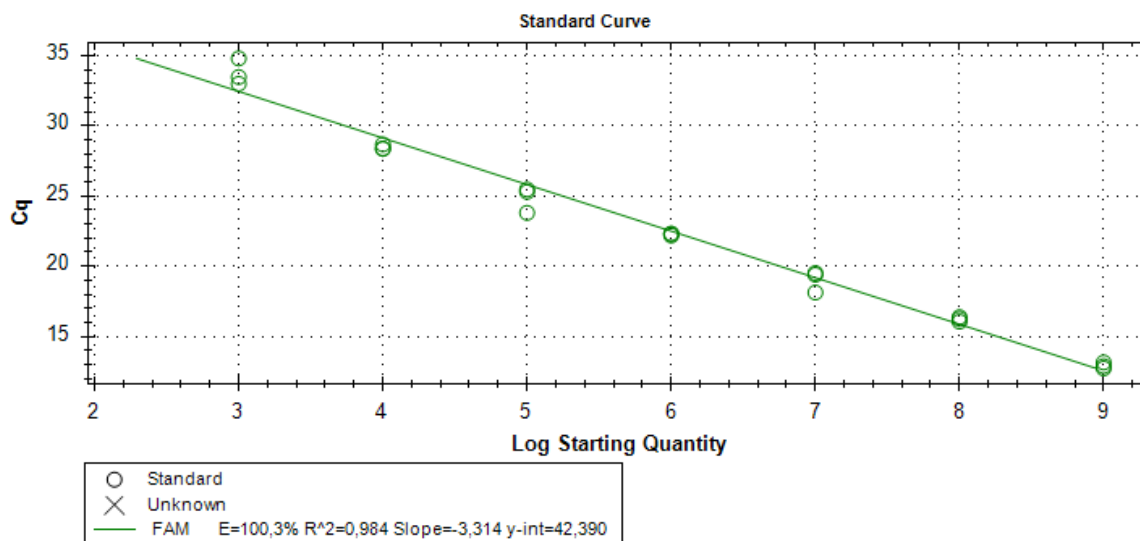


Figure 3: Standard curve for blaKPC

Gene
<i>blaNDM</i>

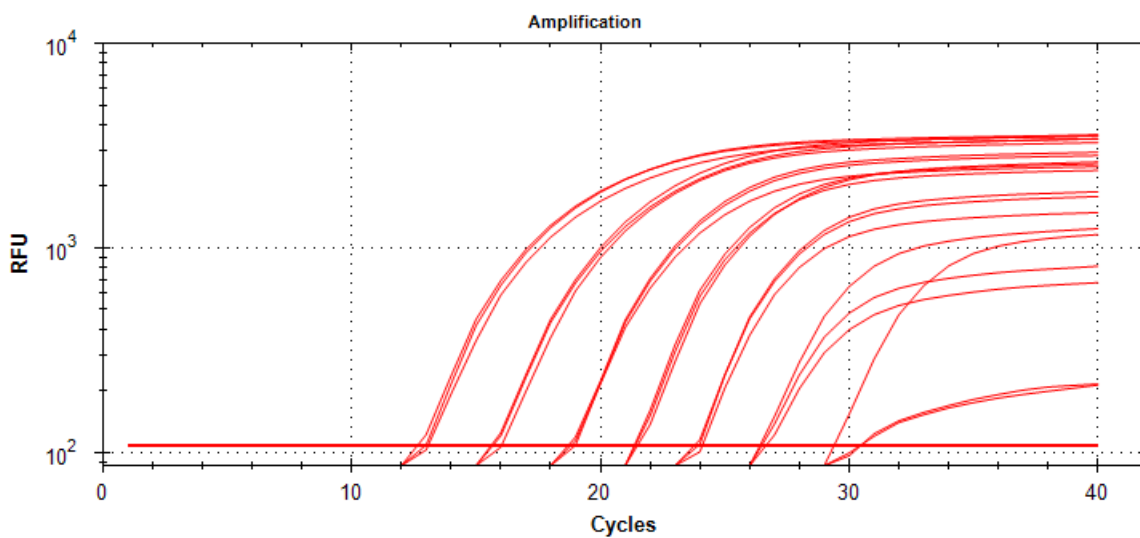


Figure 4: Logarithmic amplification curves for *blaNDM*

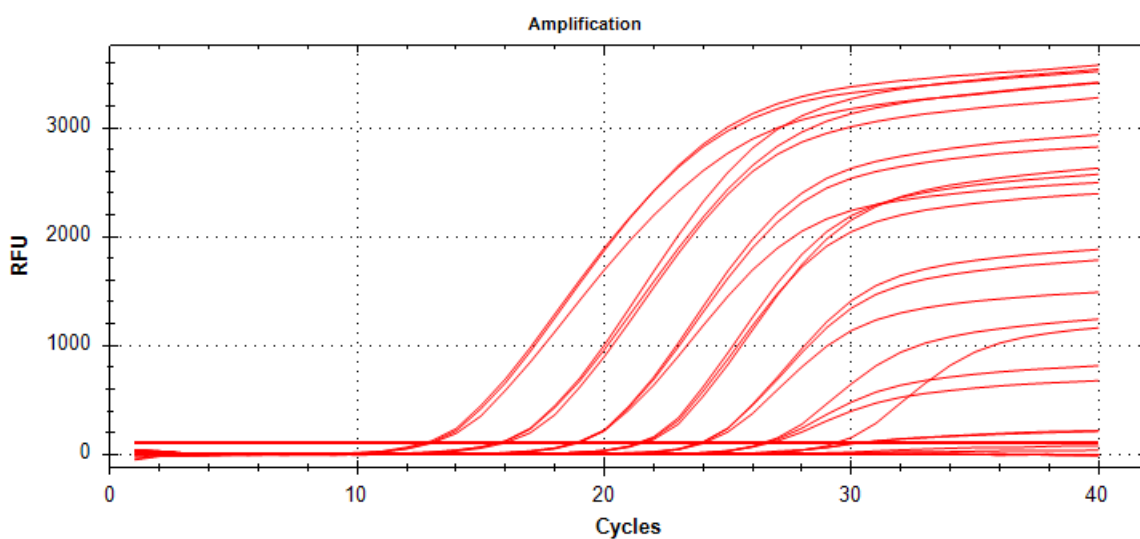


Figure 5: Standard amplification curves for *blaNDM*

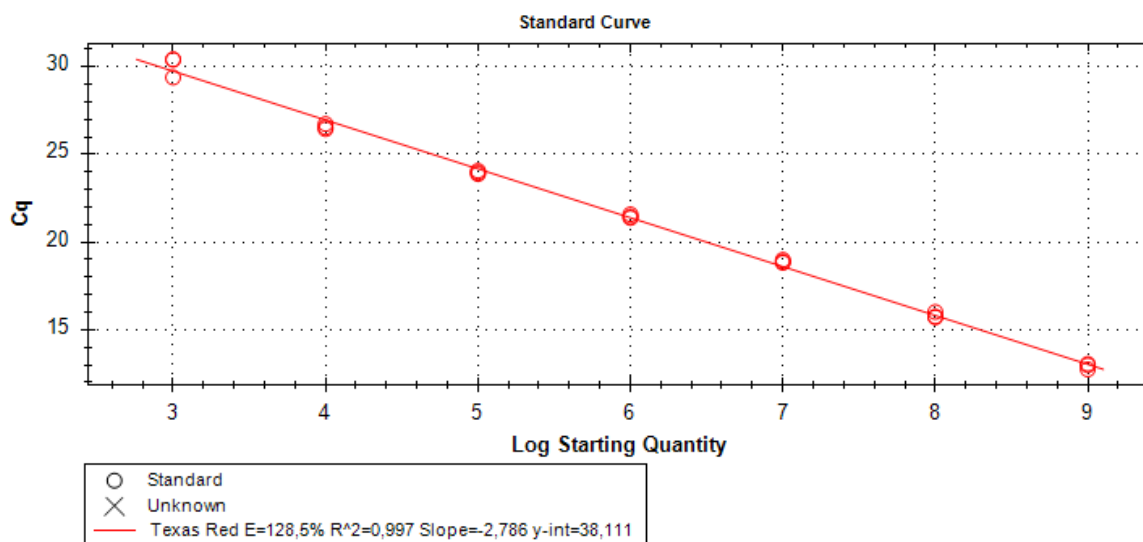


Figure 6: Standard curve for blaNDM

Gene
<i>blaVIM</i>

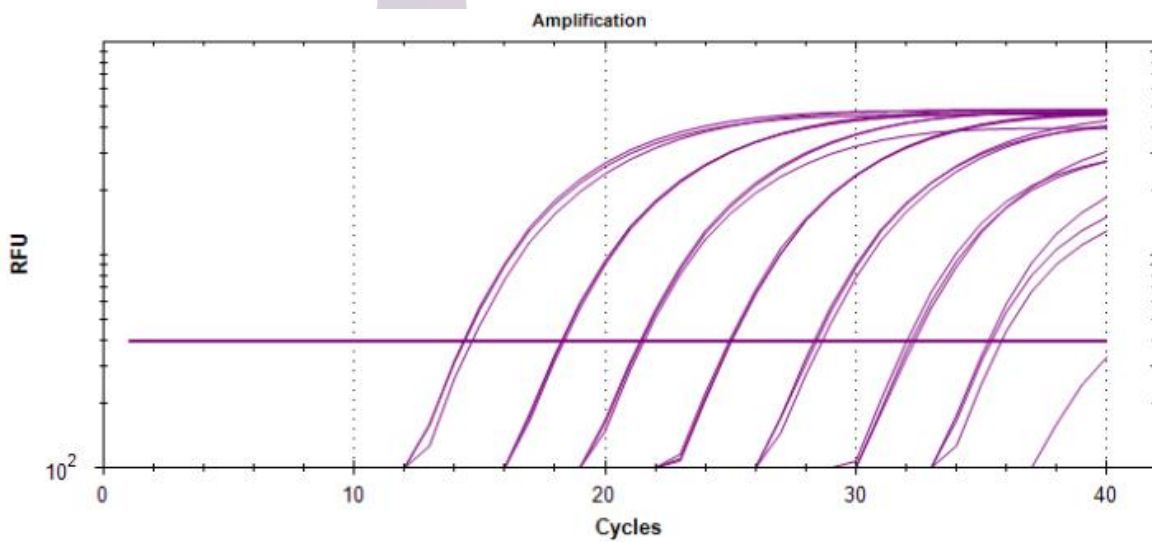


Figure 7: Logarithmic amplification curves for blaVIM

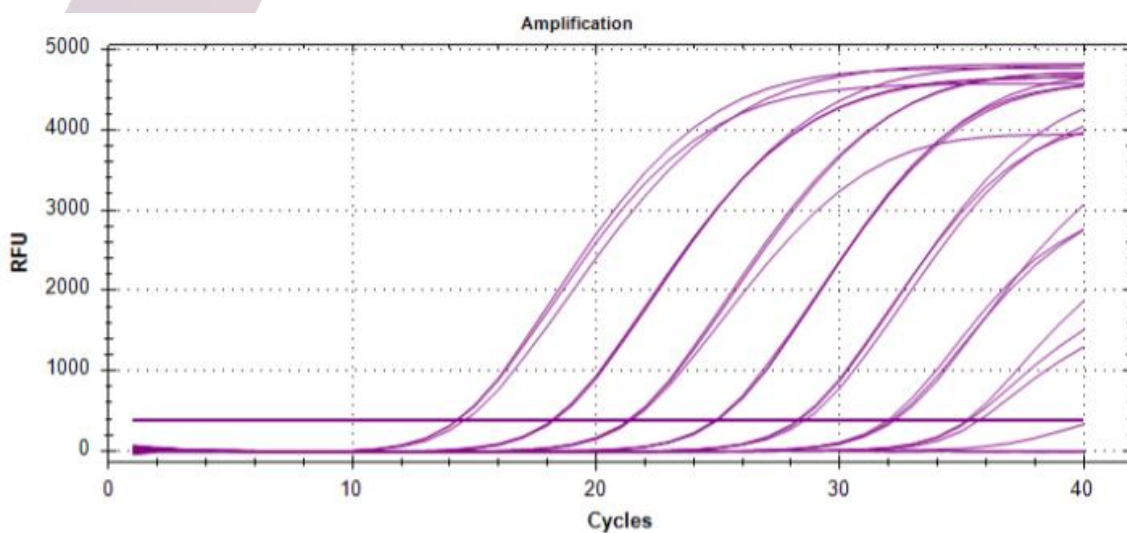


Figure 8: Standard amplification curves for blaVIM

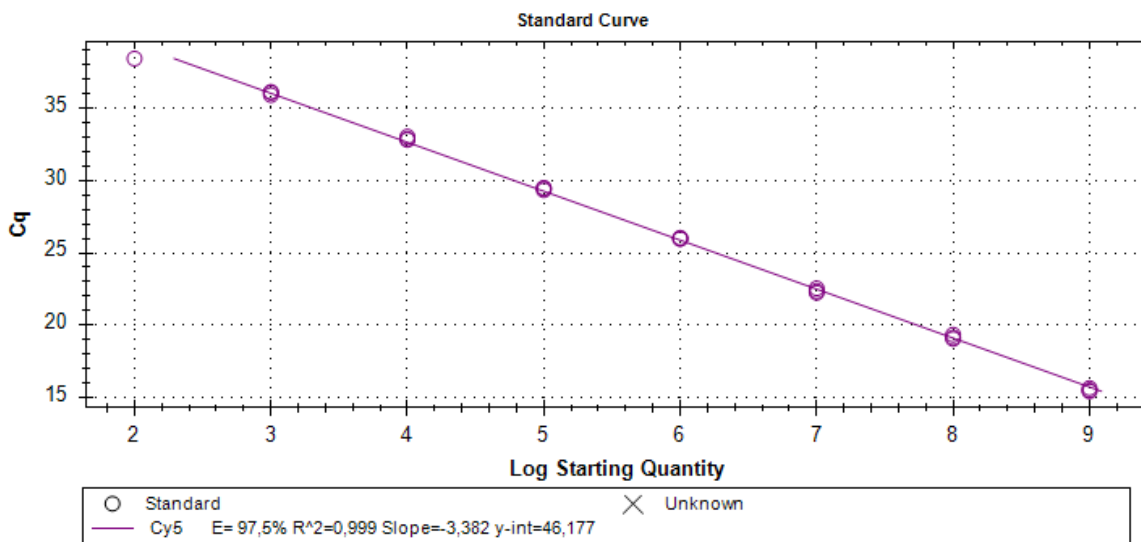


Figure 9: Standard curve for blaVIM

Gene
<i>blaOXA-48</i>

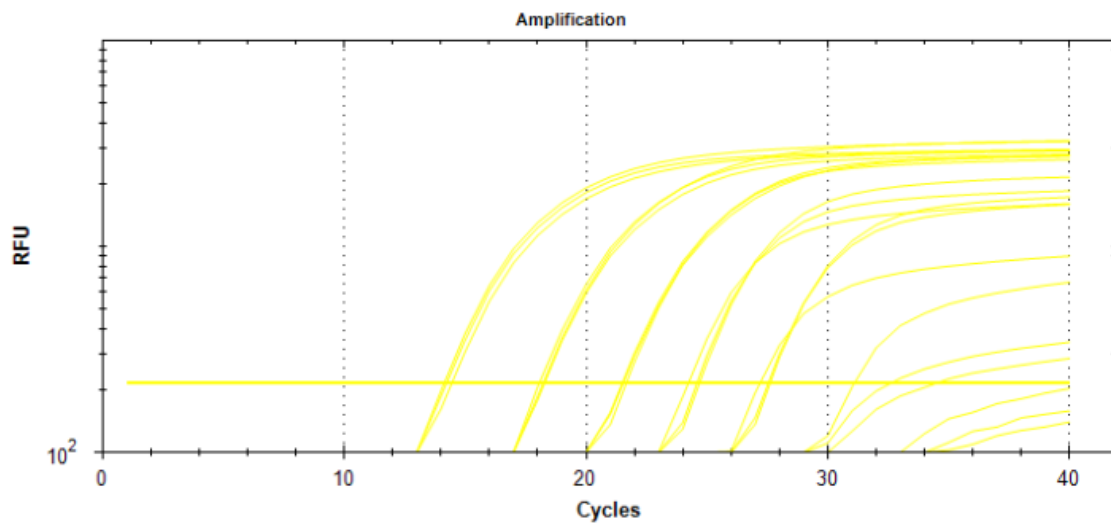


Figure 10: Logarithmic amplification curves for blaOXA-48

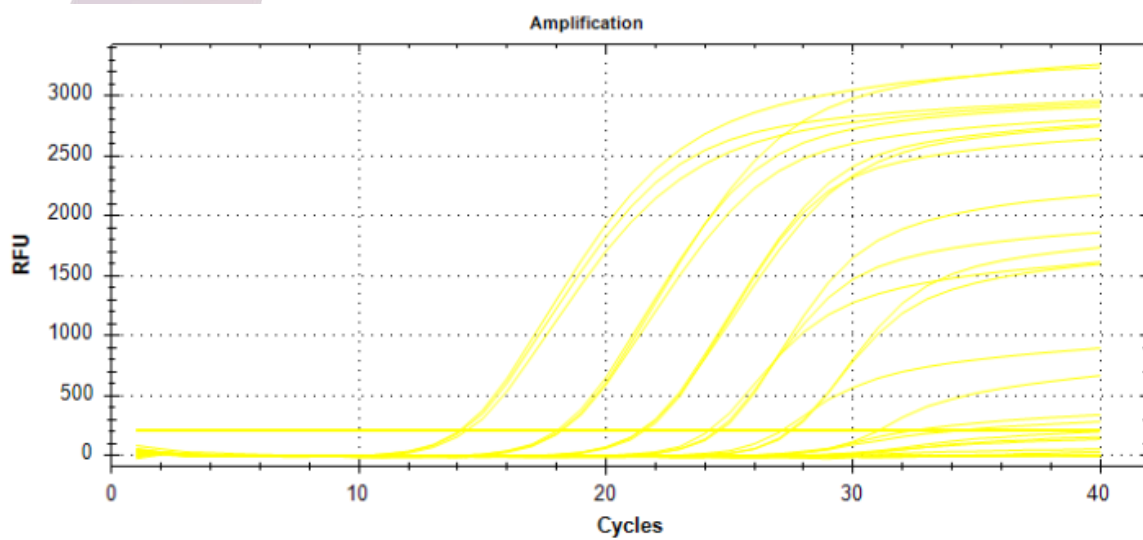


Figure 11: Standard amplification curves for blaOXA-48

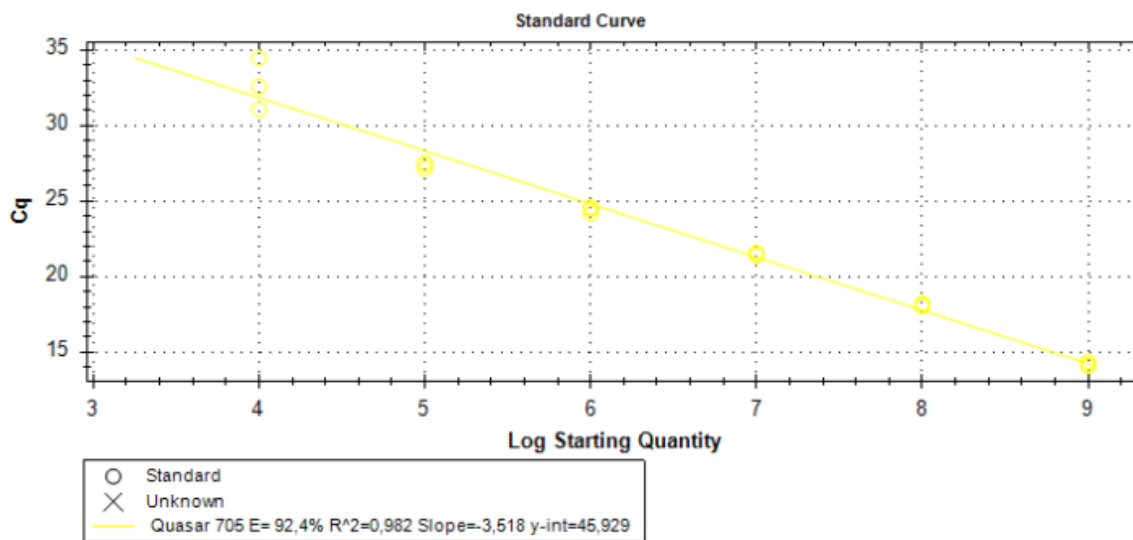


Figure 12: Standard curve for blaOXA-48

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>blaKPC</i>	1	FAM	12,54
	2	FAM	16,65
	3	FAM	22,57
	4	FAM	24,56
	5	FAM	26,73
	6	FAM	30,55
	7	FAM	32,76
	8	FAM	35,82
	Negative Control	FAM	Undetermined

blaNDM	1	ROX	12,97
	2	ROX	16,55
	3	ROX	21,79
	4	ROX	26,23
	5	ROX	28,56
	6	ROX	30,84
	7	ROX	33,63
	8	ROX	-
	Negative Control	ROX	Undetermined

Target Name	Sample Name	Reporter	Ct values
blaVIM	1	CY5	12,42
	2	CY5	14,92
	3	CY5	18,55
	4	CY5	23,75
	5	CY5	27,23
	6	CY5	32,86
	7	CY5	33,58
	8	CY5	36,18
	Negative Control	CY5	Undetermined

<i>blaOXA-48</i>	1	CY5.5	12,45
	2	CY5.5	13,32
	3	CY5.5	18,53
	4	CY5.5	22,78
	5	CY5.5	26,31
	6	CY5.5	30,79
	7	CY5.5	33,14
	8	CY5.5	35,84
	Negative Control	CY5.5	Undetermined