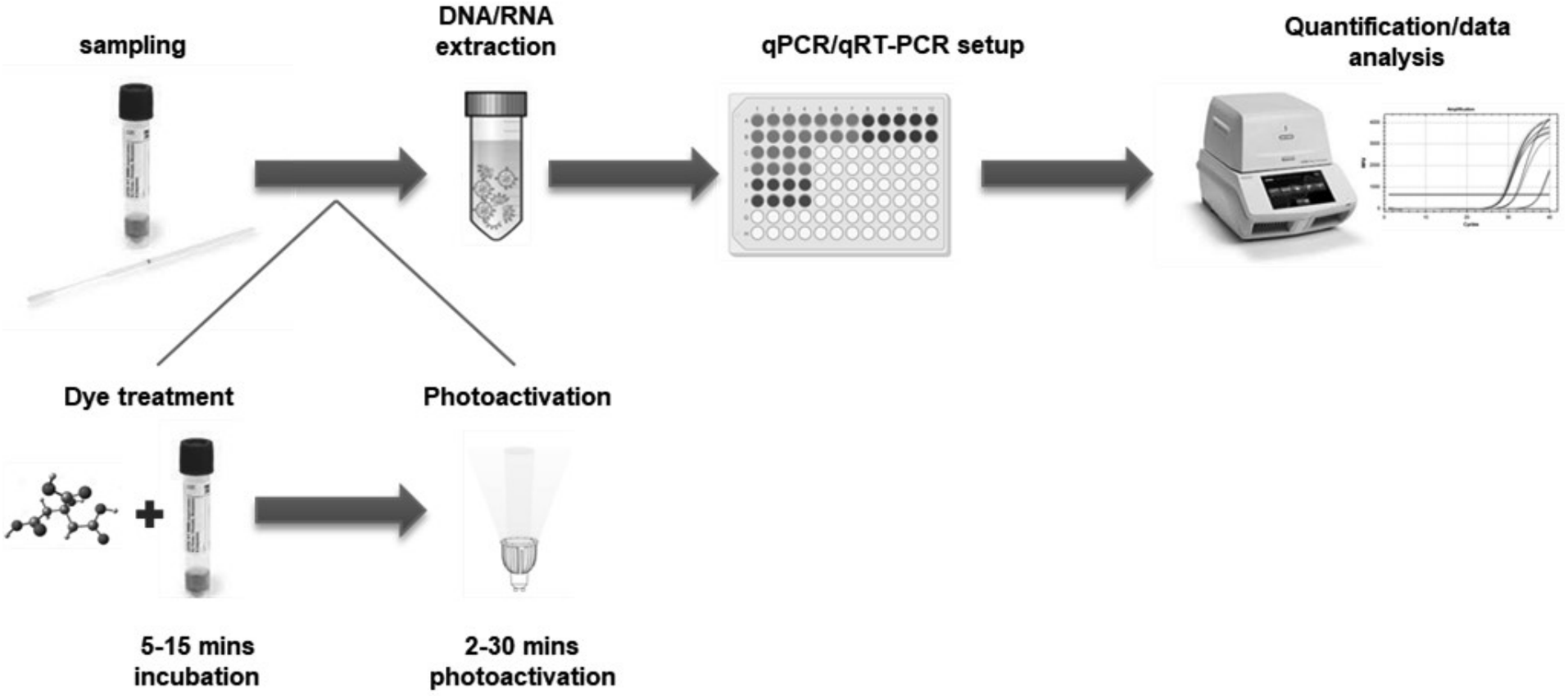

sampling
DNA/RNA extraction
qPCR/qRT-PCR setup
Quantification/data analysis
Dye treatment
Photoactivation
5-15 mins incubation
2-30 mins photoactivation

FIG. 1

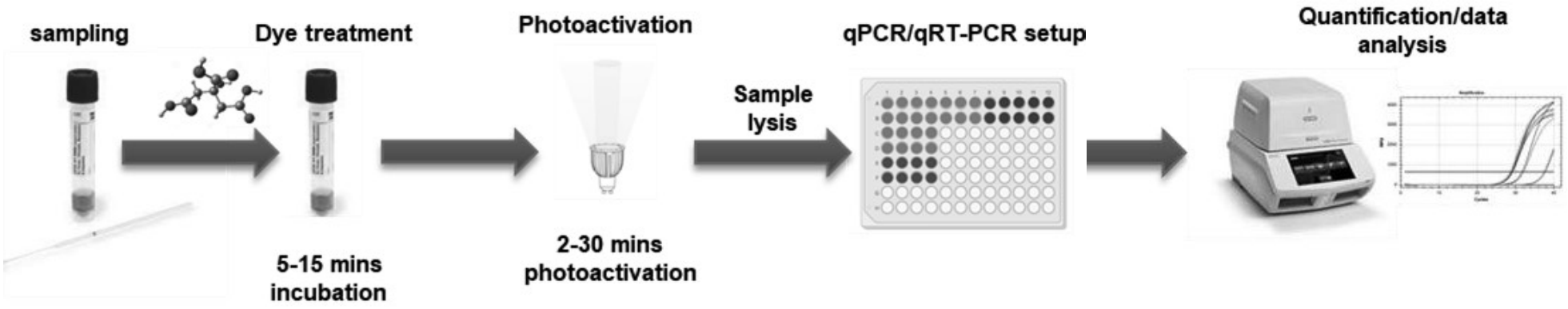
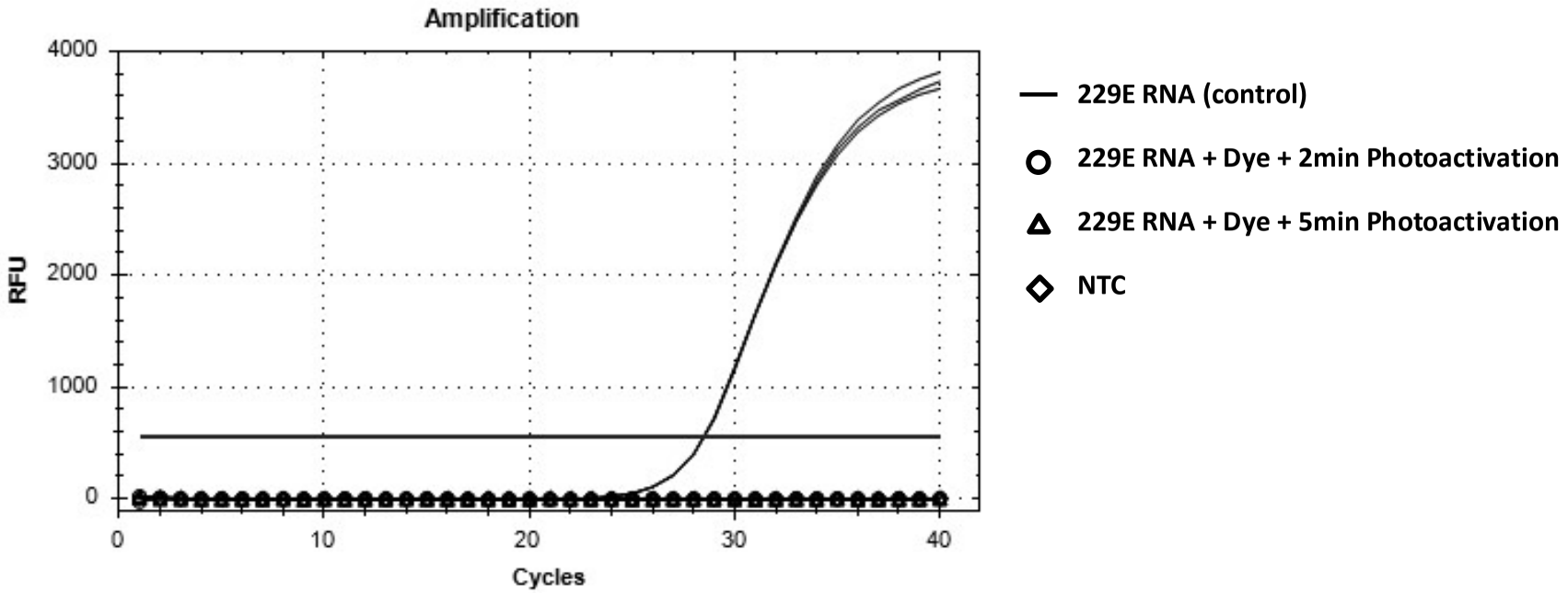
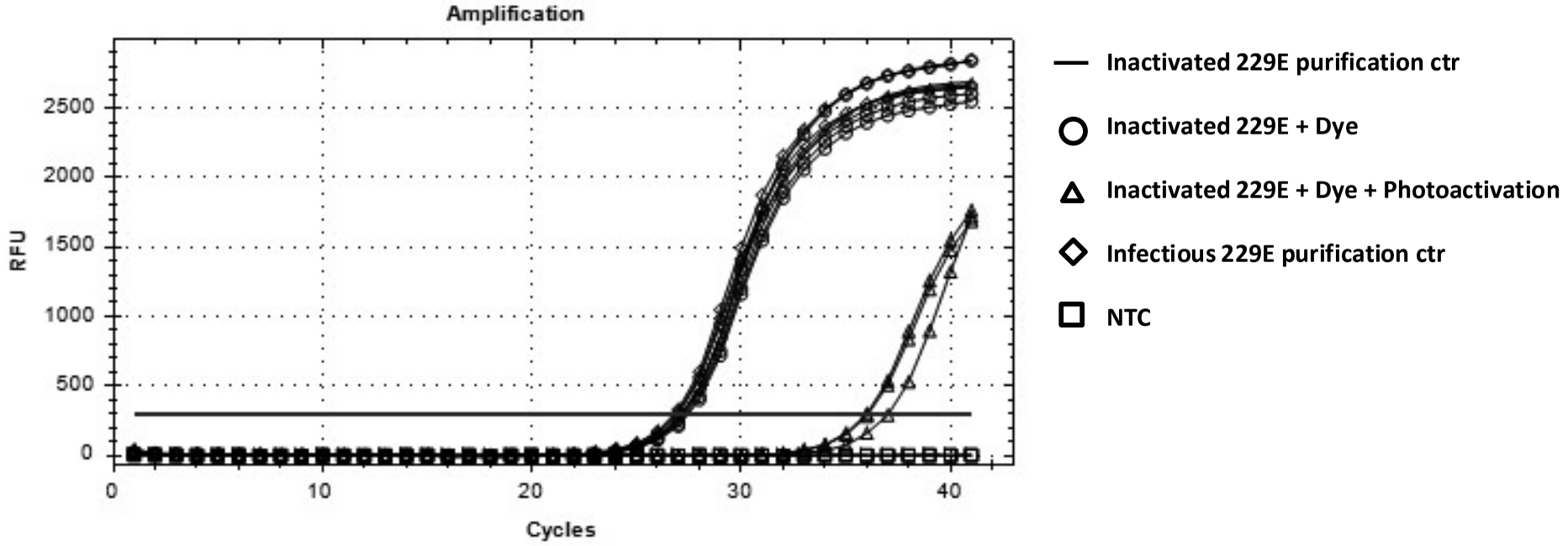

sampling
Dye treatment
Photoactivation
qPCR/qRT-PCR setup
Quantification/data analysis
Sample lysis
5-15 mins incubation
2-30 mins photoactivation

FIG. 2



Dye	Photoactivation time (Min)	RT-qPCR		
		Cq	Reduction (ΔCq)	Inhibition efficiency (%)
Dye treatment	0	28.46	-	0
	2	n.a	n.a	100%
	5	n.a	n.a	100%

FIG. 3



Samples	Dye treatment	Photoactivation	RT-qPCR		
			Cq	reduction(Δ Cq)	Inhibition efficiency (%)
Inactivated ctr	-	+	26.45	N.A	N.A
Inactivated	+	-	26.61	N.A	N.A
	+	+	35.55	9.1	99.81%
Infectious ctr	-	+	26.16	-0.29	N.A

FIG. 4