

Fast Real-Time PCR/RT-PCR



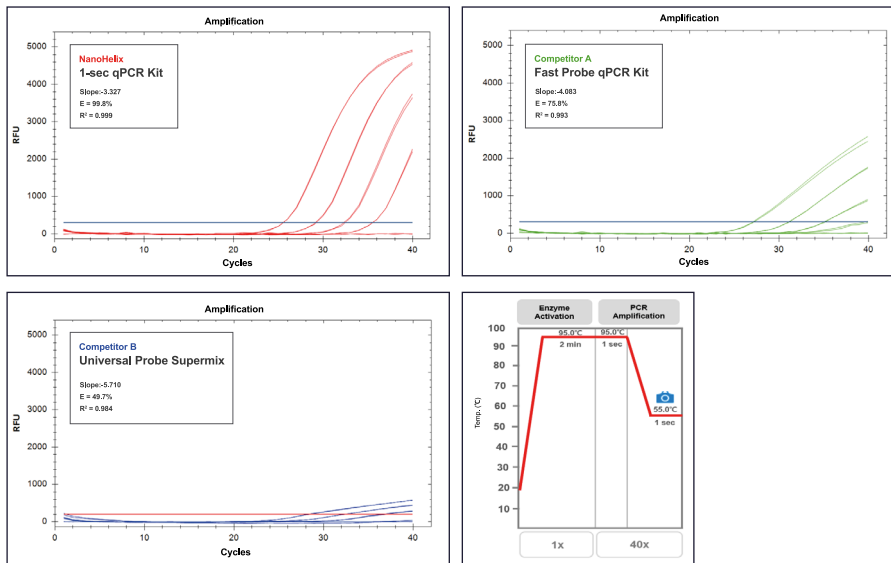
Fast & Ultrafast / Multiplex Real-Time Amplification

RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)

- **Fast**(< 30 minutes) or **ultrafast**(< 20 minutes) for 40 cycles
- **Multiplex**: Up to 5-plex probes in a reaction
- **Sensitive**: Reliable detection as low as 10 copies of target
- **Ab-based hot start *Taq* polymerase / UDG system**

29 minutes / 40 cycles

* Instrument: CFX96(Bio-Rad)



* Templates: Human genomic DNA(10, 1, 0,1, 0,01 ng) & NTC

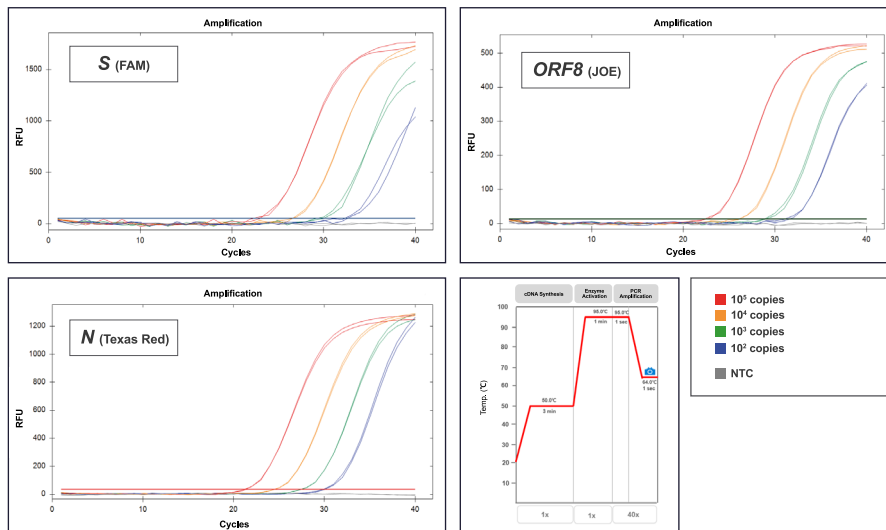
Hs-Glob gene fragment was amplified from 10-fold serial dilutions of human genomic DNA (10 ng – 0.01 ng/20 µl rxn) using 1-sec qPCR kit or other competitor's fast probe qPCR kits under the same condition.

RealHelix™ 1-sec qRT-PCR Kit [Probe] (Ver. 2.0)

- **Fast**(< 45 minutes) or **ultrafast**(< 25 minutes) for 40 cycles
- **Multiplex**: up to 5-plex probes in a reaction
- **Ab-based hot start *Taq* polymerase**
- **UDG system**: Prevention of carryover contamination

45 minutes / 40 cycles

* Instrument: CFX96(Bio-Rad)

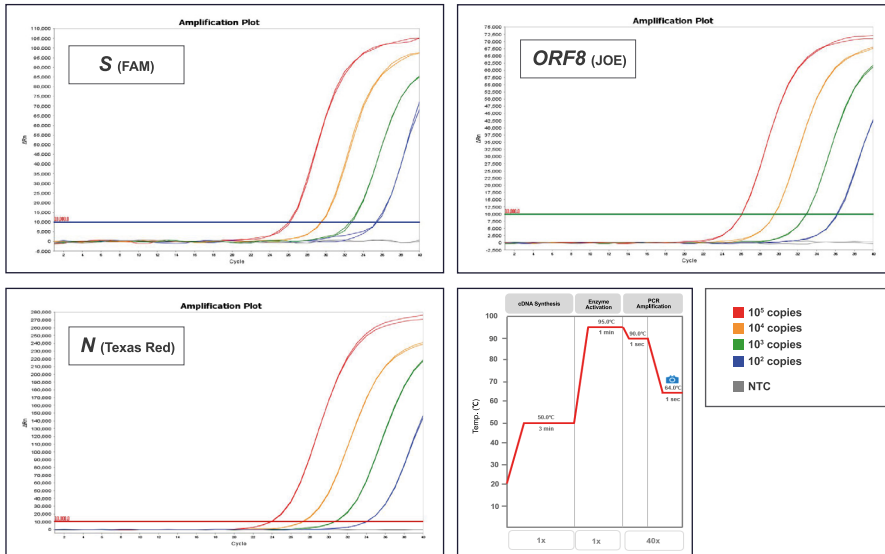


Fast and Multiplex Reaction using the RealHelix™ 1-sec qRT-PCR Kit [Probe] (Ver. 2.0).

■ qRT-PCR : An Ultrafast Application

21 minutes / 40 cycles

* Instrument: QuantStudio 5(Applied Biosystems)



	S gene (FAM)		ORF8 (JOE)		N gene (Texas Red)	
	C _t	Avg. C _t	C _t	Avg. C _t	C _t	Avg. C _t
10⁵	26.05	26.01	26.04	26.03	23.68	23.77
	25.97		26.02		23.85	
10⁴	29.52	29.47	29.54	29.54	27.07	27.10
	29.42		29.54		27.12	
10³	32.59	32.68	32.91	32.92	30.43	30.48
	32.77		32.92		30.53	
10²	35.72	35.60	36.12	36.17	33.83	33.87
	35.47		36.22		33.91	

Ordering Information

FAST Real-Time PCR

Product	Size	Cat. No.
RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)	200 rxns	SQP2-P200
RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)	500 rxns	SQP2-P500
RealHelix™ 1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	200 rxns	SQPU2-P200
RealHelix™ 1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	500 rxns	SQPU2-P500

Bulk Product	Size	Cat. No.
RealHelix™ 1-sec qPCR Premix [Probe] (Ver. 2.0), Bulk	Custom	BSQP2
RealHelix™ 1-sec qPCR Premix [Probe] [UDG System] (Ver. 2.0), Bulk	Custom	BSQPU2

FAST Real-Time RT-PCR

Product	Size	Cat. No.
RealHelix™ 1-sec qRT-PCR Kit [Probe] (Ver. 2.0)	200 rxns	SQR2-P200
RealHelix™ 1-sec qRT-PCR Kit [Probe] (Ver. 2.0)	500 rxns	SQR2-P500
RealHelix™ 1-sec qRT-PCR Kit [Probe] [UDG System] (Ver. 2.0)	200 rxns	SQRU2-P200
RealHelix™ 1-sec qRT-PCR Kit [Probe] [UDG System] (Ver. 2.0)	500 rxns	SQRU2-P500

Bulk Product	Size	Cat. No.
RealHelix™ 1-sec qRT-PCR Premix [Probe] (Ver. 2.0), Bulk	Custom	BSQR2
RealHelix™ 1-sec qRT-PCR Premix [Probe] [UDG System] (Ver. 2.0), Bulk	Custom	BSQRU2



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