

KonstaCore™ qRT-PCR Master Mix

Fast, inhibitor-tolerant qRT-PCR with exceptional storage stability.

Powered by StabilIX™ RTase technology, KonstaCore™ qRT-PCR Master Mix delivers fast, sensitive, and specific amplification with exceptional storage stability. Engineered to maintain reliable RT activity under ambient handling and temperature stress, it provides consistent performance after extended storage at 25°C and accelerated aging at 37°C.

> 21 Days at 37°C

Accelerated stress stability

> 15 Weeks at 25°C

Room-temperature stability

Why KonstaCore™



Extended shelf life



Reduced dead stock



Shipping resilience



Workflow flexibility



Automation-ready



Robust amplification

Core Reaction Performance

FAST

<45 min

40 cycles

ULTRAFAST

< 25 min

40 cycles

MULTIPLEX

Up to 5-plex
in a single Rxn

MULTI-LOCK

Hot-Start

UDG

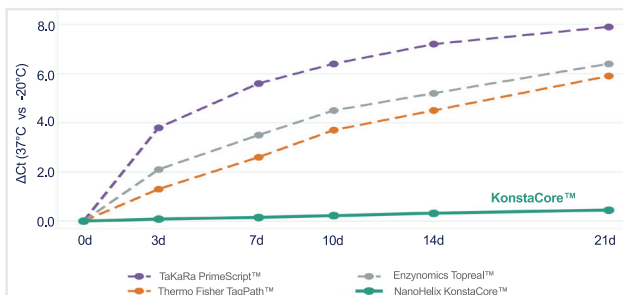
Carryover
Contamination
Prevention

Performance & Validation

Data-driven stability and inhibitor tolerance

Robust Thermal Stability at 37°C and 25°C

37°C Accelerated Aging - Δ Ct: KonstaCore™ vs. commercial qRT-PCR master mixes

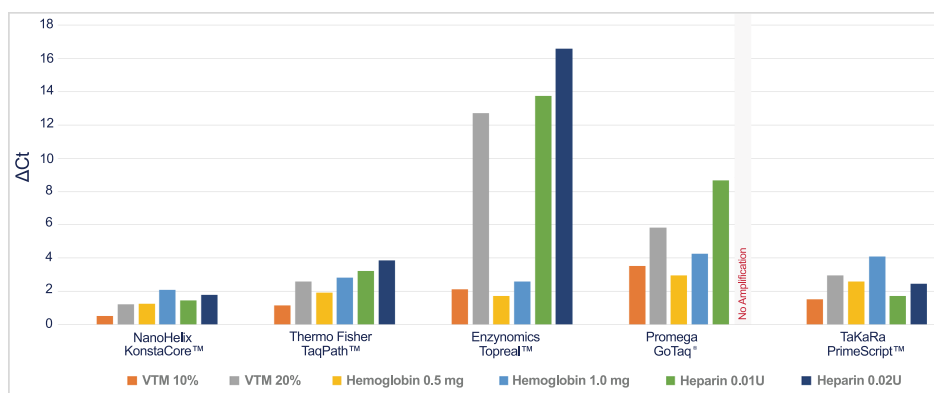


25°C Ambient Stability - Ct Values after 15 weeks

Channel	Control (-20°C)	15 Weeks @ 25°C
FAM	19.21 ± 0.05	19.30 ± 0.07
HEX	20.14 ± 0.08	20.17 ± 0.08
TxR	18.82 ± 0.04	18.89 ± 0.06
Cy5	21.05 ± 0.11	21.18 ± 0.10

High Tolerance to Common PCR Inhibitors

Δ Ct across VTM, hemoglobin, & heparin: KonstaCore™ vs. four commercial qRT-PCR master mixes



Ordering Information

Product	Size	Cat. No.
KonstaCore™ qRT-PCR Master Mix	1 ml	QRV9-1ML
KonstaCore™ qRT-PCR Master Mix [+ ROX]	1 ml	QRV9L-1ML
KonstaCore™ qRT-PCR Master Mix, Bulk	Custom	BQRV9
KonstaCore™ qRT-PCR Master Mix [+ ROX], Bulk	Custom	BQRV9L

Reliable Partner for DNA Technologies



NanoHelix Co., Ltd.

43-15, Techno 5-ro, Yuseong-gu, Daejeon 34014, Republic of Korea

Tel. +82 42 867 9055

Email. info@nanohelix.net

Fax. +82 42 867 9057

Web. www.nanohelix.net