

Certificate of Analysis

Product Name: HyperScript™ First-Strand cDNA Synthesis Kit
Cat. No. : K1072
Batch No. : 1



Physical and Chemical Properties

Production Date: Mar 30 2020
Expiration Date: Mar 30 2022
Storage: -20°C



Component List

Component Description	Lot Number	Individual QC Result
HyperScript™ Reverse Transcriptase (200 U/μL)	1	Pass
5X First-Strand Buffer	1	Pass
RNase Inhibitor, Murine(40 U/μL)	1	Pass
10 mM dNTP Mixture	1	Pass
RNase Free ddH ₂ O	1	Pass
Random Primers (50 μM)	1	Pass
Oligo (dT) ₂₃ VN (50 μM)	1	Pass

Analytical Data

Functional Testing (RT-PCR, Length)

The performance of Reaction Mix with HyperScript™ Reverse Transcriptase is tested in a 20 μl RT reaction with 1 μg Human total RNA. The length of the product is verified by amplification of the p532 gene using 0.4 μl of the RT reaction and 35 cycles of PCR amplification resulting in the expected 5.5 kb product.

Pass

Functional Testing (RT-PCR, Sensitivity)

The performance of Reaction Mix with HyperScript™ Reverse Transcriptase is

Pass



tested in a 20 µl RT reaction with 20 pg Human total RNA. The sensitivity of the product is verified by amplification of GAPDH using 0.4 µl of the RT reaction and 35 cycles of PCR amplification resulting in the expected product.

*** Individual Product Component Note**

Standard Quality Control Tests are performed for each component included in HyperScript™ First-Strand cDNA Synthesis Kit and meet the designated specifications.

Pass

This product has been tested and shown to be in compliance with all specifications.

Signed by: Aiqun Li
Quality Assurance

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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