

New England Biolabs Certificate of Analysis

Product Name: ProtoScript® First Strand cDNA Synthesis Kit
Catalog Number: E6300S
Packaging Lot Number: 10240892
Expiration Date: 10/2025
Storage Temperature: -20°C
Specification Version: PS-E6300S/L v2.0

ProtoScript® First Strand cDNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1332AVIAL	Oligo d(T)23 VN	10231019	Pass
S1330AVIAL	Random Primer Mix	10227783	Pass
M0343AVIAL	M-MuLV Reaction Mix	10238809	Pass
M0342AVIAL	M-MuLV Enzyme Mix	10238810	Pass
B1502AVIAL	Nuclease-free Water	10233968	Pass

Assay Name/Specification	Lot # 10240892
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in ProtoScript® First Strand cDNA Synthesis Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (RT-PCR, Length) The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix 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.</p>	Pass
<p>Functional Testing (RT-PCR, Sensitivity) The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is 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.</p>	Pass

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

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Trinh Nguyen
Production Scientist
16 May 2024



Michael Tonello
Packaging Quality Control Inspector
17 May 2024