

New England Biolabs Certificate of Analysis

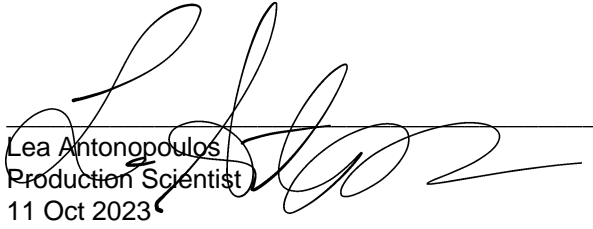
Product Name: ProtoScript® First Strand cDNA Synthesis Kit
Catalog Number: E6300S
Packaging Lot Number: 10227785
Expiration Date: 03/2025
Storage Temperature: -20°C
Specification Version: PS-E6300S/L v2.0

ProtoScript® First Strand cDNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1332AVIAL	Oligo d(T)23 VN	10206682	Pass
S1330AVIAL	Random Primer Mix	10178500	Pass
M0343AVIAL	M-MuLV Reaction Mix	10204796	Pass
M0342AVIAL	M-MuLV Enzyme Mix	10204795	Pass
B1502AVIAL	Nuclease-free Water	10185496	Pass

Assay Name/Specification	Lot # 10227785
<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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Lea Antonopoulos
Production Scientist
11 Oct 2023



Josh Hersey
Packaging Quality Control Inspector
14 Feb 2024