New England Biolabs
Certificate of Analysis

Product Name:	ProtoScript® First Strand cDNA Synthesis Kit
Catalog Number:	E6300L
Packaging Lot Number:	10189909
Expiration Date:	09/2024
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**
E6300S	ProtoScript® First Strand cDNA Synthesis Kit	10189908	Pass

Assay Name/Specification	Lot # 10189909
* 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.	Pass
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.	Pass
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.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

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Christie Vazquez
Production Scientist
06 Jun 2023

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Michael Tonello
Packaging Quality Control Inspector
06 Jun 2023

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ISO 9001
Registered
Quality
Management

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ISO 13485
Registered
Medical Devices

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ISO 14001
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Environmental
Management