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New England Biolabs Certificate of Analysis

Product Name: ProtoScript® First Strand cDNA Synthesis Kit

Catalog Number: E6300S
Packaging Lot Number: 10115034
Expiration Date: 11/2022
Storage Temperature: -20°C

Specification Version: PS-E6300S/L v1.0

ProtoScript® First Strand cDNA Synthesis Kit Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
S1332AVIAL	Oligo d(T)23 VN	10109601	Pass	
S1330AVIAL	Random Primer Mix	10109600	Pass	
M0343AVIAL	M-MuLV Reaction Mix	10108974	Pass	
M0342AVIAL	M-MuLV Enzyme Mix	10108973	Pass	
B1502AVIAL	Nuclease-free Water	10107883	Pass	

Assay Name/Specification	Lot # 10115034
Functional Testing (RT-PCR, Length) The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is tested in a 20	Pass
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.	
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
* 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

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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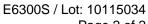
13 Jul 2021

Michael Tonello

Packaging Quality Control Inspector 13 Jul 2021

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