

## New England Biolabs Certificate of Analysis

Product Name: ProtoScript<sup>®</sup> First Strand cDNA Synthesis Kit  
 Catalog Number: E6300S  
 Packaging Lot Number: 10121045  
 Expiration Date: 02/2023  
 Storage Temperature: -20°C  
 Specification Version: PS-E6300S/L v2.0

ProtoScript <sup>®</sup> 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	10118875	Pass
M0342AVIAL	M-MuLV Enzyme Mix	10118874	Pass
B1502AVIAL	Nuclease-free Water	10114945	Pass

Assay Name/Specification	Lot # 10121045
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in ProtoScript<sup>®</sup> First Strand cDNA Synthesis Kit and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RT-PCR, Sensitivity)</b>            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
<p><b>Functional Testing (RT-PCR, Length)</b>            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

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](http://www.neb.com/trademarks) for additional information.

*Christie Vazquez*

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01 Sep 2021

*Michael Tonello*

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Packaging Quality Control Inspector  
01 Sep 2021