

## New England Biolabs Certificate of Analysis

Product Name: *ProtoScript® II First Strand cDNA Synthesis Kit*  
 Catalog Number: *E6560S*  
 Packaging Lot Number: *10068593*  
 Expiration Date: *08/2021*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E6560S/L v1.0*

ProtoScript® II First Strand cDNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1332AVIAL	Oligo d(T)23 VN	10062283	Pass
S1330AVIAL	Random Primer Mix	10062282	Pass
M0556AVIAL	ProtoScript® II Enzyme Mix	10056936	Pass
M0555AVIAL	ProtoScript® II Reaction Mix	10056935	Pass
B1502AVIAL	Nuclease-free Water	10059286	Pass

Assay Name/Specification	Lot # 10068593
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in ProtoScript® II First Strand cDNA Synthesis Kit and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RT-PCR, Length)</b>            The performance of ProtoScript® II Reaction Mix with 1X ProtoScript® II Enzyme Mix is tested in a 20 µl RT reaction with 0.5 µg Human total RNA. The length of the product is verified by amplification of fibrillin using 0.4 µl of the RT reaction and 40 cycles of PCR amplification resulting in the expected 9.2 kb product.</p>	Pass
<p><b>Functional Testing (RT-PCR, Sensitivity)</b>            The performance of ProtoScript® II Reaction Mix with 1X ProtoScript® II 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.

*Christie Vazquez*

Christie Vazquez  
Production Scientist  
23 Oct 2019

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
16 Mar 2020