

## New England Biolabs Certificate of Analysis

**Product Name:** *ProtoScript® II First Strand cDNA Synthesis Kit*  
**Catalog Number:** *E6560L*  
**Packaging Lot Number:** *10231013*  
**Expiration Date:** *08/2025*  
**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
E6560S	ProtoScript® II First Strand cDNA Synthesis Kit	10231014	Pass

Assay Name/Specification	Lot # 10231013
<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>	<b>Pass</b>
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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

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Production Scientist  
26 Mar 2024



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Michael Tonello  
Packaging Quality Control Inspector  
26 Mar 2024