

New England Biolabs Certificate of Analysis

Product Name: *ProtoScript® II First Strand cDNA Synthesis Kit*
 Catalog Number: *E6560S*
 Packaging Lot Number: *10072105*
 Expiration Date: *01/2022*
 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 | 10069433 | Pass |
| M0555AVIAL | ProtoScript® II Reaction Mix | 10069432 | Pass |
| B1502AVIAL | Nuclease-free Water | 10069444 | Pass |

| Assay Name/Specification | Lot # 10072105 |
|--|----------------|
| <p>Functional Testing (RT-PCR, Length) 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>Functional Testing (RT-PCR, Sensitivity) 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 |
| <p>* Individual Product Component Note 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 |

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

Christie Vazquez

Christie Vazquez
Production Scientist
13 Feb 2020

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
26 Mar 2020