

New England Biolabs Certificate of Analysis

Product Name: *ProtoScript® First Strand cDNA Synthesis Kit*
 Catalog Number: *E6300S*
 Packaging Lot Number: *10076960*
 Expiration Date: *11/2021*
 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 | 10062283 | Pass |
| S1330AVIAL | Random Primer Mix | 10062282 | Pass |
| M0343AVIAL | M-MuLV Reaction Mix | 10069921 | Pass |
| M0342AVIAL | M-MuLV Enzyme Mix | 10069920 | Pass |
| B1502AVIAL | Nuclease-free Water | 10072020 | Pass |

| Assay Name/Specification | Lot # 10076960 |
|--|----------------|
| <p>Functional Testing (RT-PCR, Length) 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 |
| <p>* 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.</p> | Pass |
| <p>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.</p> | Pass |

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

Christie Vazquez

Christie Vazquez
Production Scientist
11 Jun 2020

Josh Hersey

Josh Hersey
Packaging Quality Control Inspector
11 Jun 2020