

New England Biolabs Certificate of Analysis

Product Name: ProtoScript[®] First Strand cDNA Synthesis Kit
 Catalog Number: E6300S
 Packaging Lot Number: 10096232
 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 | 10086166 | Pass |
| S1330AVIAL | Random Primer Mix | 10076371 | Pass |
| M0343AVIAL | M-MuLV Reaction Mix | 10083975 | Pass |
| M0342AVIAL | M-MuLV Enzyme Mix | 10083974 | Pass |
| B1502AVIAL | Nuclease-free Water | 10089987 | Pass |

| Assay Name/Specification | Lot # 10096232 |
|--|----------------|
| <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 |
| <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 |

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 for additional information.

Christie Vazquez

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23 Feb 2021

Josh Hersey

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23 Feb 2021