

New England Biolabs Certificate of Analysis

Product Name: *ProtoScript® First Strand cDNA Synthesis Kit*
 Catalog Number: *E6300S*
 Lot Number: *10015367*
 Expiration Date: *06/2019*
 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	0051709	Pass
S1330AVIAL	Random Primer Mix	0091803	Pass
M0343AVIAL	M-MuLV Reaction Mix	0051712	Pass
M0342AVIAL	M-MuLV Enzyme Mix	0151712	Pass
B1502AVIAL	Nuclease-free Water	10009166	Pass

Assay Name/Specification	Lot # 10015367
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.	Pass
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.	Pass
* 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.	Pass

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



Lynne Apone
Production Scientist
26 Jul 2018



Michael Tonello
Packaging Quality Control Inspector
26 Jul 2018