

New England Biolabs Certificate of Analysis

Product Name: *NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module*
 Catalog Number: *E6421L*
 Packaging Lot Number: *10248028*
 Expiration Date: *08/2025*
 Storage Temperature: *-20°C*
 Specification Version: *PS-E6421S/L v1.0*

NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6433AAVIAL	Nuclease-free Water	10248063	Pass
E6432AAVIAL	TE Buffer	10248061	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10248059	Pass
E6429AAVIAL	Murine RNase Inhibitor	10248057	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10248054	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10248051	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10248047	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10248044	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10248040	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10248037	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10248033	Pass

Assay Name/Specification	Lot # 10248028
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input cDNA Synthesis & Amplification Module and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction, Single Cell RNA) Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from single cells and commercially available RNA using the kit's minimum and maximum input requirements. Libraries made from previous and current lots are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, individual transcript abundance, 5'-3' transcript coverage, percent ribosomal RNA, and fraction of reads mapping to a reference.</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.



Christine Sumner
Production Scientist
23 Sep 2024



Michael Tonello
Packaging Quality Control Inspector
26 Sep 2024