

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module  
**Catalog Number:** E6421S  
**Packaging Lot Number:** 10227343  
**Expiration Date:** 11/2024  
**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
E6433AVIAL	Nuclease Free Water	10213239	Pass
E6432AVIAL	TE Buffer	10213238	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	10213237	Pass
E6429AVIAL	Murine RNase Inhibitor	10213236	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	10213235	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	10213232	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10213229	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	10213227	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	10213224	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	10213219	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	10213215	Pass

Assay Name/Specification	Lot # 10227343
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input cDNA Synthesis &amp; Amplification Module and meet the designated specifications.</p> <p><b>Functional Testing (Library Construction, Single Cell RNA)</b>            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>	<p>Pass</p> <p>Pass</p>

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

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Christine Sumner  
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11 Jan 2024



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Michael Tonello  
Packaging Quality Control Inspector  
16 Jan 2024