

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module  
**Catalog Number:** E6421L  
**Packaging Lot Number:** 10137081  
**Expiration Date:** 08/2022  
**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	10116908	Pass
E6432AAVIAL	TE Buffer	10116907	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10116906	Pass
E6429AAVIAL	Murine RNase Inhibitor	10116905	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10116904	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10116903	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10116902	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10116901	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10116900	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10116899	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10116898	Pass

Assay Name/Specification	Lot # 10137081
<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>	Pass
<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>	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](http://www.neb.com/trademarks) for additional information.



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Christine Sumner  
Production Scientist  
18 Jan 2022



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Michael Tonello  
Packaging Quality Control Inspector  
18 Jan 2022