

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module  
**Catalog Number:** E6421L  
**Lot Number:** 10012082  
**Expiration Date:** 03/2019  
**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	0011803	Pass
E6432AAVIAL	TE BUFFER	0081803	Pass
E6430AAVIAL	NEBNEXT® BEAD RECONSTITUTION BUFFER	0021803	Pass
E6429AAVIAL	RNASE INHIBITOR, MURINE	0311803	Pass
E6428AAVIAL	NEBNEXT® CELL LYSIS BUFFER	0041803	Pass
E6427AAVIAL	NEBNEXT® SINGLE CELL CDNA PCR PRIMER	0021803	Pass
E6426AAVIAL	NEBNEXT® SINGLE CELL CDNA PCR MASTER MIX	0241803	Pass
E6425AAVIAL	NEBNEXT® SINGLE CELL RT ENZYME MIX	0031803	Pass
E6424AAVIAL	NEBNEXT® TEMPLATE SWITCHING OLIGO	0021803	Pass
E6423AAVIAL	NEBNEXT® SINGLE CELL RT BUFFER	0031803	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	0021803	Pass

Assay Name/Specification	Lot # 10012082
<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><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</p>	<p>Pass</p> <p>Pass</p>

Assay Name/Specification	Lot # 10012082
specifications.	

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



Christine Sumner  
Production Scientist  
08 Jun 2018



Michael Tonello  
Packaging Quality Control Inspector  
08 Jun 2018