

## New England Biolabs Certificate of Analysis

Product Name: NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina -24 rxns  
 Catalog Number: E6420S  
 Lot Number: 10033446  
 Expiration Date: 10/2019  
 Storage Temperature: -20°C  
 Specification Version: PS-E6420S v1.0

NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina -24 rxns Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7807AVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10024842	Pass
E7806AVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10024841	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10024840	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10024839	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10024838	Pass
E6433AVIAL	Nuclease Free Water	10024837	Pass
E6432AVIAL	TE Buffer	10024836	Pass
E6431AVIAL	NEBNext® ADAPTOR DILUTION BUFFER	10024835	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	10024834	Pass
E6429AVIAL	Murine RNase Inhibitor	10024833	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	10024832	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	10024831	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10024830	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	10024829	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	10024828	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	10024827	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	10024826	Pass

Assay Name/Specification	Lot # 10033446
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input RNA Library Prep Kit for Illumina® and meet the designated specifications.</p>	Pass
<b>Functional Testing (Library Construction, Single Cell RNA)</b>	Pass

Assay Name/Specification	Lot # 10033446
<p>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>	

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




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Christine Sumner  
Production Scientist  
20 May 2019




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Michael Tonello  
Packaging Quality Control Inspector  
20 May 2019