

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: 10023337
Expiration Date: 03/2019
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	0061803	Pass
E7806AVIAL	NEBNext® Ultra™ II FS Enzyme Mix	0051803	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	0111803	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	0391803	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	0031803	Pass
E6433AVIAL	Nuclease Free Water	0011803	Pass
E6432AVIAL	TE Buffer	0081803	Pass
E6431AVIAL	NEBNext® ADAPTOR DILUTION BUFFER	0091803	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	0021803	Pass
E6429AVIAL	Murine RNase Inhibitor	0311803	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	0041803	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	0021803	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	0241803	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	0031803	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	0021803	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	0031803	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	0021803	Pass

Assay Name/Specification	Lot # 10023337
<p>* Individual Product Component Note 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
Functional Testing (Library Construction, Single Cell RNA)	Pass

Assay Name/Specification	Lot # 10023337
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.	

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



Christine Sumner
Production Scientist
19 Sep 2018



Michael Tonello
Packaging Quality Control Inspector
19 Sep 2018