

New England Biolabs Certificate of Analysis

Product Name: NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina
Catalog Number: E6420L
Packaging Lot Number: 10260859
Expiration Date: 08/2025
Storage Temperature: -20°C
Specification Version: PS-E6420S/L v1.0

NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7807AAVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10248043	Pass
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10248039	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10248035	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10248030	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10248025	Pass
E6433AAVIAL	Nuclease-free Water	10248022	Pass
E6432AAVIAL	TE Buffer	10248019	Pass
E6431AAVIAL	NEBNext® ADAPTOR DILUTION BUFFER	10248016	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10248013	Pass
E6429AAVIAL	Murine RNase Inhibitor	10248011	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10248009	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10248007	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10248005	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10248003	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10248000	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10247998	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10247996	Pass

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* 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.	Pass
Functional Testing (Library Construction, Single Cell RNA) Each set of reagents is functionally validated and compared to a previous lot	Pass

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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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Christine Sumner
Production Scientist
24 Sep 2024



Talia Monkiewicz
Packaging Quality Control Inspector
24 Sep 2024