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## New England Biolabs Certificate of Analysis

Product Name: phi29-XT RCA Kit

Catalog Number: E1603L
Packaging Lot Number: 10212167
Expiration Date: 09/2025
Storage Temperature: -20°C

Specification Version: PS-E1603S/L v1.0

phi29-XT RCA Kit Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
S1884LVIAL	Exonuclease-Resistant Random Primers	10208691	Pass	
N0447XVIAL	Deoxynucleotide (dNTP) Solution Mix	10208693	Pass	
M0572LVIAL	phi29-XT DNA Polymerase	10208682	Pass	
B0572SVIAL	phi29-XT Reaction Buffer	10213284	Pass	

Assay Name/Specification	Lot # 10212167
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in phi29-XT	
RCA Kit and meet the designated specifications.	
Functional Testing (RCA DNA Amplification)	Pass
A 20 µl rolling circle amplification (RCA) reaction in 1X phi29-XT Reaction Buffer	
in the presence of 1X phi29-XT DNA Polymerase and 50 µM Exonuclease-Resistant	
Random Primers generates at least 5 µg DNA from 0.1 ng plasmid DNA after incubation	
for 2 hours at 42°C.	

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.



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Lea Antonpoulos

Production Scientist 01 Nov 2023 Michael Tonello

Packaging Quality Control Inspector

25 Nov 2023

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