

New England Biolabs Certificate of Analysis

Product Name: *phi29-XT RCA Kit*
 Catalog Number: *E1603S*
 Packaging Lot Number: *10245965*
 Expiration Date: *01/2026*
 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
S1884SVIAL	Exonuclease-Resistant Random Primers	10236573	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10238467	Pass
M0572SVIAL	phi29-XT DNA Polymerase	10236560	Pass
B0572SVIAL	phi29-XT Reaction Buffer	10236561	Pass

Assay Name/Specification	Lot # 10245965
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in phi29-XT RCA Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (RCA DNA Amplification) 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.</p>	Pass

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.



Trinh Nguyen
Production Scientist
30 Apr 2024



Michael Tonello
Packaging Quality Control Inspector
24 Jun 2024