

New England Biolabs Certificate of Analysis

Product Name: *phi29-XT RCA Kit*
Catalog Number: *E1603S*
Packaging Lot Number: *10254036*
Expiration Date: *06/2026*
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	10251030	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10247128	Pass
M0572SVIAL	phi29-XT DNA Polymerase	10250084	Pass
B0572SVIAL	phi29-XT Reaction Buffer	10250082	Pass


Assay Name/Specification	Lot # 10254036
<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.



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16 Aug 2024



Michael Tonello
Packaging Quality Control Inspector
11 Sep 2024