

New England Biolabs Certificate of Analysis

Product Name: Random Primer Mix
Catalog Number: S1330S
Concentration: 60 μ M
Lot Number: 10032777
Expiration Date: 08/2021
Storage Temperature: -20°C
Specification Version: PS-S1330S v1.0
Composition (1X): 1 mM dATP, 1 mM dCTP, 1 mM dGTP, 1 mM dTTP, 35 μ M Hexamers, 25 μ M dT(23)VN supplied in ultrapure water.

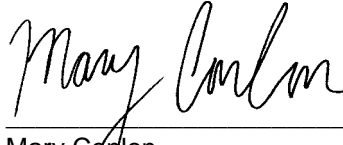
Random Primer Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1330SVIAL	Random Primer Mix	10018820	Pass

Assay Name/Specification	Lot # 10032777
Endonuclease Activity (Nicking) A 25 μ l reaction in NEBuffer 2 containing 1 μ g of supercoiled PhiX174 DNA and a minimum of 5 μ l of Random Primer Mix incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
Non-Specific DNase Activity (16 Hour) A 50 μ l reaction in NEBuffer 2 containing 1 μ g of T3 DNA in addition to a reaction containing Lambda-HindIII DNA and a minimum of 5 μ l of Random Primer Mix incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
Phosphatase Activity (pNPP) A 200 μ l reaction in 1M Diethanolamine, pH 9.8, 0.5 mM MgCl ₂ containing 2.5 mM p-Nitrophenyl Phosphate (pNPP) and a minimum of 20 μ l of Random Primer Mix incubated for 4 hours at 37°C yields <0.0001 unit of alkaline phosphatase activity as determined by spectrophotometric analysis.	Pass
RNase Activity (Extended Digestion) A 10 μ l reaction in NEBuffer 4 containing 40 ng of a 300 base single-stranded RNA and a minimum of 1 μ l of Random Primer Mix is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by gel electrophoresis using fluorescent detection.	Pass

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



Tony Spear-Alfonso
Production Scientist
28 Aug 2018



Mary Conlon
Packaging Quality Control Inspector
27 Dec 2018