

New England Biolabs Certificate of Analysis

Product Name: Random Primer Mix
Catalog Number: S1330S
Concentration: 60 μ M
Packaging Lot Number: 10071271
Expiration Date: 02/2023
Storage Temperature: -20°C
Specification Version: PS-S1330S v2.0
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 | 10065424 | Pass |

| Assay Name/Specification | Lot # 10071271 |
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| 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 |
| 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 |
| Non-Specific DNase Activity (16 Hour) A 50 μ l reaction in NEBuffer 2 containing 1 μ g of T3 or T7 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 |
| 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 |

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



Christie Vazquez
Production Scientist
03 Apr 2020



Jay Minichiello
Packaging Quality Control Inspector
03 Apr 2020