

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Adaptor Dilution Buffer
Catalog Number: B1430S
Packaging Lot Number: 10199060
Expiration Date: 04/2025
Storage Temperature: -20°C
Specification Version: PS-B1430S v2.0

NEBNext [®] Adaptor Dilution Buffer Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B1430SVIAL	NEBNext Dilution Buffer for the NEBNext Adaptor	10183864	Pass

Assay Name/Specification	Lot # 10199060
Endonuclease Activity (Nicking, Buffer) A 50 µl reaction in 1X NEBNext [®] Adaptor Dilution Buffer containing 1 µg of supercoiled PhiX174 DNA 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, Buffer) A 50 µl reaction in 1X NEBNext [®] Adaptor Dilution Buffer containing 1 µg of T3 or T7 DNA in addition to a reaction containing Lambda-HindIII DNA 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, Buffer) A 200 µl reaction in 1M Diethanolamine @ pH 9.8 and 0.5 mM MgCl ₂ containing 2.5 mM p-Nitrophenyl Phosphate (pNPP) and a minimum of 20 µl NEBNext [®] Adaptor Dilution Buffer incubated for 4 hours at 37°C yields <0.00001 unit of alkaline phosphatase activity as determined by spectrophotometric analysis.	Pass
RNase Activity (Buffer) A 10 µl reaction in 1X NEBNext [®] Adaptor Dilution Buffer containing 40 ng of a 300 base single-stranded RNA 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.

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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Production Scientist
05 Jul 2023



Michael Tonello
Packaging Quality Control Inspector
05 Jul 2023