

New England Biolabs Certificate of Analysis

Product Name: Monarch® Buffer WZ
Catalog Number: T1115L
Packaging Lot Number: 10276032
Expiration Date: 02/2028
Storage Temperature: 25°C
Specification Version: PS-T1115L v1.0

Monarch® Buffer WZ Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1115-3	Monarch® Buffer WZ	10276029	Pass

Assay Name/Specification	Lot # 10276032
Endonuclease Activity (Nicking) A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of supercoiled PhiX174 DNA and a minimum of 10 µl of Monarch® Buffer WZ 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 µl reaction in rCutSmart™ Buffer containing 1 µg of PhiX174-HaeIII DNA and a minimum of 10 µl of Monarch® Buffer WZ incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
RNase Activity (Extended Digestion) A 10 µl reaction in NEBuffer 4 containing 40 ng of a 300 base single-stranded RNA and a minimum of 1 µl of Monarch® Buffer WZ 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.



Judith Pacheco
Production Scientist
28 Jan 2025



Julie Gaumont
Packaging Quality Control Inspector
16 Apr 2025