

New England Biolabs Certificate of Analysis

Product Name: Monarch® Buffer BY
Catalog Number: T1121L
Packaging Lot Number: 10270611
Expiration Date: 06/2027
Storage Temperature: 25°C
Specification Version: PS-T1121L v1.0

Monarch® Buffer BY Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1121-2	Monarch® Buffer BY	10246119	Pass

Assay Name/Specification	Lot # 10270611
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 BY 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 BY incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass

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

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Judith Pacheco
Production Scientist
03 Jul 2024



Julie Gaumont
Packaging Quality Control Inspector
16 Dec 2024