

New England Biolabs Product Specification

Product Name: Monarch[®] Buffer BY
Catalog #: T1121L
Shelf Life: 36 months
Storage Temp: 25°C
Composition: Proprietary
Specification Version: PS-T1121L v1.0
Effective Date: 17 Oct 2024

Assay Name/Specification (minimum release criteria)

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.

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.

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Date 17 Oct 2024

Lauren Brown
Quality Approver

