

New England Biolabs Product Specification

Product Name: Monarch[®] Spin DNA Gel Extraction Kit
Catalog #: T1120S/L/G
Kit Components: Monarch[®] Spin Columns S1A (T2037)
Monarch[®] Spin Collection Tubes (T2118)
Monarch[®] Buffer BY (T1121)
Monarch[®] Buffer WZ (T1115)
Monarch[®] Buffer EY (T1116)
Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T1120S/L/G v1.0
Effective Date: 12 Jun 2024

Assay Name/Specification (minimum release criteria)

Functional Testing (DNA Recovery and Purity) - Twenty-four Monarch[®] Spin Columns S1A are tested with 1 µg of 1 kb DNA Ladder resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.

Functional Testing (Gel Purification and Ligation) - A linear pLA3 fragment is gel purified and added to 8 Monarch[®] Spin Columns S1A, eluted and ligated with Blunt/TA Ligase Master Mix resulting in ≥90% conversion to a multiband pattern observed by gel electrophoresis in ≥75% of the samples.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 12 Jun 2024

Lauren Brown
Quality Approver

