

New England Biolabs Product Specification

Product Name: Monarch[®] DNA Gel Extraction Kit
Catalog #: T1020G
Kit Components: Monarch[®] DNA Elution Buffer (T1016)
Monarch[®] Gel Dissolving Buffer (T1021)
Monarch[®] DNA Wash Buffer (T1032)
Monarch[®] DNA Cleanup Columns (5 µg) (T1034)
Monarch[®] Collection Tubes (2 ml) (T1018)

Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T1020G v2.0
Effective Date: 21 Mar 2019

Assay Name/Specification (minimum release criteria)

Functional Testing (DNA Recovery and Purity) - Twenty-four Monarch[®] DNA Cleanup Columns are tested with 1 µg of 1 Kb 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[®] DNA Cleanup Columns, 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.



Date 21 Mar 2019

Derek Robinson
Director of Quality Control

