

New England Biolabs Product Specification

Product Name: Monarch[®] Spin RNA Isolation Kit (Mini)
Catalog #: T2110S/L/G
Kit Components: Monarch[®] Spin Columns S2C (T3017)
Monarch[®] Spin Columns S2A (T2047)
Monarch[®] Spin Collection Tubes (T2118)
Monarch StabiLyse™ DNA/RNA Buffer (T2111)
Monarch[®] Buffer BX (T2041)
Monarch[®] Buffer WZ (T1115)
Monarch[®] DNase I Reaction Buffer (T2105)
Monarch[®] DNase I, Lyophilized (T2104)
Proteinase K, Molecular Biology Grade (P8200)
Nuclease-free Water (B1500)

Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T2110S/L/G v1.0
Effective Date: 15 Oct 2024

Assay Name/Specification (minimum release criteria)

Functional Testing (DNA Recovery and Purity) - Twenty-four Monarch[®] Spin Columns S2C are tested with 10 µg of HindIII digested Lambda DNA 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 (RNA Recovery and Purity) - Twenty-four Monarch[®] Spin Columns S2A are tested with 5 µg of RNA 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 (RNA Yield and Integrity Analysis) - Total RNA is purified from 10 individual aliquots of cultured human cells (10⁶ cells/aliquot). Yield of RNA is >5 µg in ≥75% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples as well as RIN values ≥9 in ≥80% of the samples.

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Please visit www.neb.com/trademarks for additional information.



Date 15 Oct 2024

Lauren Brown
Quality Approver

