

# Total RNA Purification Kit

For purification of RNA from cells

Catalog #79040      1 Kit      50 Preps



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## Product Description

The Total RNA Purification Kit uses a membrane-based system to quickly purify intact total RNA from  $1 \times 10^2$  to  $5 \times 10^6$  cells without an organic extraction step, eliminating the need for additional purification steps. The Total RNA Purification Kit includes an on-column DNase I treatment to significantly reduce genomic DNA contamination and ensure the purified RNA is suitable for sensitive downstream applications. Intact total RNA can be isolated in as little as 30 minutes. The Total RNA Purification Kit is not recommended for the purification of small RNAs (< 200 nt), such as miRNA.

## Component Information

The following components are sold as a complete kit (Catalog #79040) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	SIZE	STORAGE	SHELF LIFE
RNA Minicolumns	79041	50 Columns	Store at 15 - 25°C.	Not applicable.
Collection Tubes	79042	50 Tubes	Store at 15 - 25°C.	Not applicable.
Column Wash Solution*	79043	5 mL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
1-Thioglycerol*	79044	900 µL	Store at 2 - 8°C.	Stable until expiry date (EXP) on kit box label.
DNase I	79045	1 vial	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
Nuclease-Free Water	79046	13 mL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
MnCl <sub>2</sub> <sup>†</sup>	79047	250 µL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
RNA Lysis Buffer*	79048	32.5 mL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
Elution Tubes	79049	50 Tubes	Store at 15 - 25°C.	Not applicable.
RNA Wash Solution	79050	35 mL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.
DNA Digestion Buffer	79051	2.5 mL	Store at 15 - 25°C.	Stable until expiry date (EXP) on kit box label.

\*Please refer to the Safety Data Sheet (SDS) for hazard information.

<sup>†</sup>0.09 M

## Directions for Use

For complete instructions, refer to the Technical Manual: RNA Isolation Using the Total RNA Purification Kit (Document #1000005434) available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

## Related Products

For related products, including other genome editing tools, specialized cell culture and storage media, supplements, antibodies, cytokines, and small molecules, visit [www.stemcell.com](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

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