

TRI Reagent®

RNA/DNA/Protein Isolation Reagent

Replacement Cat. Nos.

R2050-1-50 (50 ml)
R2050-1-200 (200 ml)

Storage: Store at 4–25°C



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

Product Information

Description:

TRI Reagent® is a complete and ready-to-use reagent for the isolation of total RNA or the simultaneous isolation of RNA, DNA and proteins from samples of human, animal, plant, yeast, bacterial and viral origin.

TRI Reagent® combines phenol and guanidine thiocyanate in a mono-phase solution to facilitate the immediate and most effective inhibition of RNase activity.

TRI Reagent® is compatible with **Direct-zol™ RNA** purification products from Zymo Research and is supplied together with the Direct-zol™ RNA MiniPrep (R2051, R2053), Direct-zol™ RNA MicroPrep (R2061, R2063), Direct-zol™ RNA MiniPrep Plus (R2071, R2073), Direct-zol™-96 RNA (R2055, R2057) and Direct-zol™-96 MagBead RNA (R2101, R2103, R2105).

Usage:

For RNA purification directly from TRI Reagent® refer to the **Direct-zol™ RNA** product manuals (R2050, R2051, R2052, R2053, R2054, R2055, R2056, R2057, R2060, R2061, R2062, R2063, R2070, R2071, R2072, R2073, R2100, R2101, R2102, R2103), available at <http://www.zymoresearch.com/direct-zol>.

For DNA, protein and other RNA isolation protocols, consult MRC related literature found at <http://www.mrcgene.com>.

Stability:

TRI Reagent® is stable at 25°C for at least two years from the date of purchase (1).

Special Handling Precautions:

TRI Reagent® contains a poison (phenol) and an irritant (guanidine thiocyanate). Causes burns. CAN BE FATAL. When working with TRI Reagent® use gloves and eye protection (shield, safety goggles). Do not get on skin or clothing. Avoid breathing vapor. Read the warning note on the bottle and MSDS. In case of contact: Immediately flush eyes or skin with a large amount of water for at least 15 min and seek immediate medical attention.

Related Products:

Product Name	Size	Catalog No.
Direct-zol™ RNA MicroPrep	50	R2061
	200	R2063
Direct-zol™ RNA MiniPrep	50	R2051
	200	R2053
Direct-zol™ RNA MiniPrep Plus	50	R2071
	200	R2073
Direct-zol™-96 RNA	2x 96	R2055
	4x 96	R2057
Direct-zol™-96 MagBead RNA	2x 96	R2101
	4x 96	R2103
	8x 96	R2105

Trademarks and Disclaimers:

™ Trademarks of Zymo Research Corporation. Direct-zol™, Patent Pending
TRI Reagent® is registered trademark of Molecular Research Center, Inc. TRI Reagent® and the single-step method of total RNA isolation (2, 3) are subject of the international patents.

References:

1. Mackey K and Chomczynski P (1996) Long-term stability of RNA isolation reagents. J NIH Res., 8, 72
2. Chomczynski P and Sacchi N (1987) Single step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. Anal Biochem, 162, 156-159
3. Chomczynski P (1993) A reagent for the single-step simultaneous isolation of RNA, DNA and proteins from cell and tissue samples. BioTechniques, 15, 532-537

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ZYMO RESEARCH CORP.

Phone: (949) 679-1190 ▪ Toll Free: (888) 882-9682 ▪ Fax: (949) 266-9452 ▪ info@zymoresearch.com ▪ www.zymoresearch.com