

RNA preparation – from Blood

RNA Denaturing / Loading Kit

For denaturing and loading RNA samples onto formaldehyde gels buffered with MOPS.

- ◆ Complete kit with all necessary reagents
- ◆ Free of nuclease contamination

The RNA Gel Loading Kit is dedicated for sample preparation prior to electrophoresis. This new kit provides all necessary reagents for denaturing and loading RNA samples onto formaldehyde gels buffered with MOPS. Careful consideration has been taken to ensure that prepared solutions are free of nuclease contamination. Additionally, Ultra Pure deionized formamide and DEPC water ensure that your results are the best that they can be.

Description	Cat.#	Qty
RNA Denaturing Kit	420081	100 tests

Kit Contents : 5 ml Denaturing Solution, 2 ml DEPC Water, 0.5 ml Glycerol Loading Dye

Related products :

Description	Cat.#	Qty
Water (DEPC-treated)	457420	500 ml
Glycerol Loading Dye 5X buffer	588762	5 ml

DNA & RNA preparation

RDtract™ RNA/DNA Isolation Kit

To simultaneously isolate RNA, free of DNA, and DNA, free of RNA

Sample Source/Size :

- ◆ Cells grown in suspension : 1-2 x 10⁶ cells
- ◆ Cultured cells grown in monolayer : 1-6 wells of a 6 well culture dish
- ◆ Blood : 1.0 ml whole blood
- ◆ Bacteria : 0.5 ml bacterial culture

Preparation Time : 1 hour (RNA) ; 3 hours (DNA)

Features :

- ◆ Economical, fast, and simple
- ◆ High RNA & DNA Yields
- ◆ No Protein, or degrading enzyme contamination
- ◆ No phenol, or β-mercaptoethanol extraction
- ◆ Reagents stable at room temperature

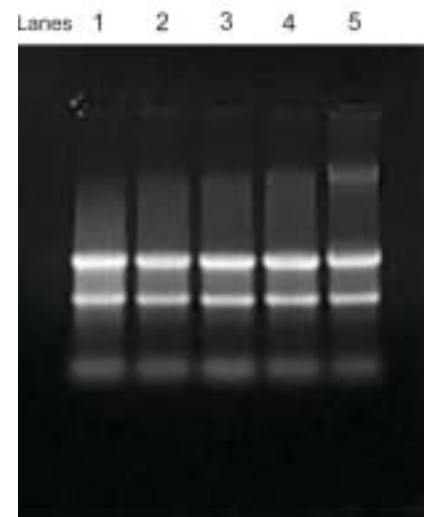
The RNA/DNA Isolation Kit is a simple and easy method to simultaneously isolate RNA and DNA from tissue cultured cells, blood, and bacteria. The extracted RNA is free of DNA, protein, and degrading enzyme contamination and can be used for Northern blot analysis, in vitro translation, microinjection, RNase protection assays, RT-PCR, and poly (A)+ selection. Extracted DNA is free from RNA and protein contamination, and greater than 40kb in length. DNA can be used for Southern hybridization and PCR amplification.

Description	Cat.#	Qty
RDtract™ RNA/DNA Isolation Kit	T66271	50 tests
RDtract™ RNA/DNA Isolation Kit	T66270	100 tests

RNA recovery form electrophoresis gels (electroelution)

Please see 'GebaFlex' products in chapter B = Proteomics, which are efficient tools to recover nucleic acids from electrophoresis gels. Great applications are:

- ◆ Recovery of RNA from polyacrylamide gels)
- Electroelution is a privileged method to recover all RNA from gels as well as other samples. Total RNAs are recovered, at the opposite to most other methods, based on polyA tail affinity purifications.



Total RNA isolated from culture cells using RDtract™ RNA/DNA Isolation Kit # T66271.

- Lane 1 : 5 ug total RNA from HeLa cells.
- Lane 2 : 5 ug total RNA from P388D-1 cells.
- Lane 3 : 5 ug total RNA from Jurket cells.
- Lane 4 : 5 ug total RNA from Caski cells.
- Lane 5 : 5 ug total RNA from SiHa cells.

Kit Components : Lysis buffer, RNA Precipitate Reagent, Reverse Extraction Reagent for DNA, DNA Precipitate Reagent, Optimized protocol Reagents Needed : Chloroform, Isopropanol, 75% Ethanol (all in ACS grade)