



99359

TRizol-T Reagent

Part E

Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Transparent to Straw/pale Yellow
Agarose gel electrophoresis	Shows clear bands of RNA
RNA isolation	RNA bands of good intensity
Stability	Stable for one year from the date of manufacture

Other Information

Description

TRizol-T Reagent is a ready-to-use reagent for the isolation of total RNA from cells and tissues. The reagent, a mono-phasic solution of phenol and guanidine isothiocyanate, is an improvement to the single-step RNA isolation method and gives high yields of Total RNA.

During sample homogenization or lysis, TRizol-T Reagent maintains the integrity of the RNA, while disrupting cells and dissolving cell components. Addition of chloroform followed by centrifugation, separates the solution into an aqueous phase and an organic phase. RNA remains exclusively in the aqueous phase. After transfer of the aqueous phase, the RNA is recovered by precipitation with isopropyl alcohol. After removal of the aqueous phase, the DNA and proteins in the sample can be recovered by sequential precipitation. Precipitation with ethanol yields DNA from the interphase, and an additional precipitation with isopropyl alcohol yields proteins from the organic phase. Copurification of the DNA may be useful for normalizing RNA yields from sample to sample. This technique performs well with small quantities of tissue (50-100 mg) and cells (5×10^6), and large quantities of tissue (?1 g) and cells (>10⁷), of human, animal, plant, or bacterial origin.

Application

It can be used for Northern blot analysis, dot blot hybridization, poly (A)⁺ selection, in vitro translation, RNase protection assay, and molecular cloning.

General Information

Storage

2 to 8°C (Refrigerate)

Shelf Life	12 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 ml	38229090 (GST 12%)
20 ml	38229090 (GST 12%)

Available Packages

20 ml

100 ml

Disclaimer

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