



Certificate of Analysis & Product Manual

Electrophoresis Reagents, Polymerase Chain Reaction
Custom Primers and Probes
Hybridization and Detection Reagents

RNA Reconstitution & Storage Solution

Catalog No. 40-5014-XX; 40-5015-XX

Molecular Biology Grade

For Research Use Only. Not for use in diagnostic procedures for clinical purposes



Material Supplied

Storage Instruction

1. RNA Reconstitution & Storage Solution. 1 mM or 5 mM Sodium Citrate pH 6.4; 50 mL Bottle Store at Room Temperature.
2. RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4) 10 X 1.6 mL. Store at -20°C .

Content	Catalog No.	Description	Catalog No.	Unit Size
☐	40-5014-16	RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4) 10 X 1.6 mL	40-5014-16	10 X 1.6 mL
☐	40-5014-05	RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4); 50 mL	40-5014-05	50 mL
☐	40-5015-05	RNA Reconstitution & Storage Solution (5 mM Sodium Citrate pH 6.4); 50 mL	40-5015-05	50 mL

Certificate of Analysis & Product Specifications

RNA Reconstitution & Storage Solution 1 mM or 5 mM Sodium Citrate solutions are prepared in DEPC treated nuclease free autoclaved water and filtered after preparations.

Quality Control includes RT-PCR, standard PCR and RNA gels without any degradation certifies the product to be free of non-specific endonuclease, exonuclease and RNase activity.

All products pass the above specifications and are certified to be nuclease free. Appropriate nuclease free handling, dispensing and storage conditions required.

Manufacturing lot numbers are stated on the label of each product and accompanying packing slip.

Product Description & Application

RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4): Catalog No.: 40-5014-XX

RNA Reconstitution & Storage Solution (5 mM Sodium Citrate pH 6.4): Catalog No.: 40-5015-XX

RNA and RNA Oligonucleotide Reconstitution and Storage Solution

Sodium citrate, 1 mM or 5 mM pH 6.4 is prepared in RNase free water and sealed in bottles after autoclaving. It is guaranteed RNase free and is the recommended solution for reconstitution and storage of RNA and RNA oligonucleotides. The low pH of 6.4 and low ionic strength of 1 mM Sodium citrate reduces base hydrolysis considerably and is an efficient chelating agent. Sodium citrate, 1 mM pH 6.4 as a reconstitution and storage solution is compatible with all RNA based applications.

RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4) is also available in convenient 10 tubes 1.6 mL aliquot packaging (Catalog No.: 40-5014-16) to meet the rigorous requirements of single use applications.

RNA Reconstitution & Storage Solution (5 mM Sodium Citrate pH 6.4) is also available as a 5X solution to be diluted for use as 1 mM solution or for use directly for RNA reconstitution.

Ordering Information

DNA & RNA Reconstitution Solutions

Product	Catalog No.	Unit Size
DNA & RNA Reconstitution Solutions Pack (contains 50 mL each of DEPC Treated Water [40-3000-05], Nuclease Free Water (DEPC Free) [40-3001-05], TE pH 7.0 [40-5011-05] and RNA Reconstitution & Storage Solution[40-5014-05])	40-3000-00	1 Pack
RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4) 10 X 1.6 mL	40-5014-16	10 X 1.6 mL
RNA Reconstitution & Storage Solution (1 mM Sodium Citrate pH 6.4); 50 mL	40-5014-05	50 mL
TE Buffer 1X solution pH 7.0; 50 mL	40-5011-05	50 mL
TE Buffer 1X solution pH 7.5; 50 mL	40-5012-05	50 mL
TE Buffer 1X solution pH 8.0; 50 mL	40-5013-05	50 mL
Nuclease Free Water (DEPC Free) 10 X 1.6 mL	40-3001-16	10 X 1.6 mL
Nuclease Free Water (DEPC Free) 50 mL	40-3001-05	50 mL
Nuclease Free Water (DEPC Free) 500 mL	40-3001-50	500 mL
Nuclease Free Water (DEPC Free); 1L	40-3001-01	1 L
DEPC Treated Water; 10 X 1.6 mL	40-3000-16	10 X 1.6 mL
DEPC Treated Water; 50 mL	40-3000-05	50 mL
DEPC Treated Water; 500 mL	40-3000-50	500 mL
DEPC Treated Water; 1L	40-3000-01	1 L

Related Products Ordering Information

DNA & RNA Precipitation Solutions

Product	Catalog No.	Unit Size
DNA & RNA Precipitation Solutions Pack (contains the following; Glycogen Solution 10 mg/mL; 1 mL [40-5112-01]; Linear Acrylamide Solution 5mg/mL; 1 mL [40-5113-01] LiCl RNA Precipitation Solution [40-5131-05]; Sodium Acetate DNA & RNA Precipitation Solution [40-5132-05]; Sodium Chloride DNA & RNA Precipitation [40-5134-05] and Ammonium Acetate 7.5M DNA & RNA Precipitation Solution [40-5135-05])	40-5130-00	1 Pack
Glycogen Solution 10 mg/mL; 1 mL	40-5112-01	1 mL
Linear Acrylamide Solution (Linear polyacrylamide, LPA; 5mg/mL); 1 mL	40-5113-01	1 mL
LiCl RNA Precipitation Solution (7.5M LiCl, 50 mM EDTA pH 8.0); 50 mL	40-5131-05	50 mL
Sodium Acetate DNA & RNA Precipitation Solution (3M Sodium Acetate pH 5.5); 50 mL	40-5132-05	50 mL
Potassium Acetate DNA & RNA Precipitation Solution (3M Potassium Acetate pH 5.5); 50 mL	40-5133-05	50 mL
Sodium Chloride DNA & RNA Precipitation (5M Sodium Chloride); 50 mL	40-5134-05	50 mL
Ammonium Acetate DNA & RNA Precipitation Solution (7.5M Ammonium Acetate); 50 mL	40-5135-05	50 mL
Ammonium Acetate DNA & RNA Precipitation Solution (5M Ammonium Acetate); 50 mL	40-5136-05	50 mL

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