RNA STABLED.

Preserve, Ship and Store Total RNA at Room Temperature with RNAstable®.

RNAstable® is a unique storage medium that preserves total RNA, mRNA, miRNA and siRNA samples at room temperature. RNAstable allows for long-term stabilization of RNA samples with easy sample recovery by simply adding water.

**Ship and Store purified RNA at Room Temperature.**
RNAstable enables you to stabilize total RNA samples at room temperature for years. Confidence in sample stabilization means increased reproducibility and data accuracy.

**Save Money** by simplifying the handling and shipping of RNA since refrigeration and dry ice are not required.

**Add Water for Rapid and Complete Sample Recovery.**
Using RNAstable, you can fully recover RNA samples in 10 minutes or less. In addition, you can concentrate your sample during recovery.

**Use Samples Directly in Downstream Applications.**
- Quantitative Real-Time PCR
- Bioanalyzer and microarray analysis
- End-point PCR and gel analysis
- cDNA synthesis
- Reverse transcription

**Availability:**
Available in Canada from...

MJS BioLynx INC.
1-888-593-5969
www.biolyx.ca • tech@biolyx.ca
Long-term Stability and Sample Integrity.

RNAstable® protects total RNA, mRNA and miRNA. Samples can be safely stored for 12 years at room temperature and protected from degradation.

ABOVE: Results from Agilent 2100 Bioanalyzer indicate no detectable degradation of samples stored in RNAstable for 29 months at room temperature (graph B), as compared to -80°C freezer control samples (graph A) and with accelerated aging (graph C) at 45°C for 29 months (equivalent to RNA stored in RNAstable for 12 years at room temperature). The unprotected control sample stored at RT degraded after 3 months.

ABOVE: Lane 1- RNA Samples stored in a -80°C freezer. Lane 2- Samples stored in RNAstable were protected from degradation for 29 months at room temperature. Lane 3- RNA samples stored in RNAstable at 45°C for 29 months (equivalent to RNA stored in RNAstable for 12 years at room temperature). The unprotected control sample stored at RT degraded after 3 months.

Successful Gene Expression Analysis on MicroArray.

Total RNA preserved in RNAstable® at room temperature is perfectly suitable for microarray analysis without additional purification steps.

<table>
<thead>
<tr>
<th>Storage condition</th>
<th>Background</th>
<th>Noise</th>
<th>% Present</th>
<th>GAPDH (3’/5’ ratio)</th>
<th>β-actin (3’/5’ ratio)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNAstable (RT)</td>
<td>37.3 ± 1.6</td>
<td>1.6 ± 0.2</td>
<td>59.3 ± 1.0</td>
<td>1.14 ± 0.06</td>
<td>4.22 ± 0.71</td>
</tr>
<tr>
<td>Control (-80°C)</td>
<td>37.4 ± 1.6</td>
<td>1.7 ± 0.1</td>
<td>59.4 ± 1.3</td>
<td>1.10 ± 0.06</td>
<td>4.10 ± 0.20</td>
</tr>
</tbody>
</table>

ABOVE: Results from GLYCO3 microarrays (built by Affymetrix for the Consortium of Functional Glycomics) scanned using Affymetrix ScanArray 3000. The number of present and absent calls and the average signal intensity did not reveal any significant differences between samples stored frozen or those maintained at room temperature in RNAstable for 14 days.

Data kindly provided by Dr Steven R. Head, The Scripps Research Institute (Biotechniques, 47: 667-670, 2009).

RNAstable is available in the following formats:

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>CATALOG NO.</th>
<th>CONTAINS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNAstable Trial Kit</td>
<td>93220-001</td>
<td>(3) Tubes RNAstable, (1) Tube Sterile Water, (1) resealable sample pouch</td>
</tr>
<tr>
<td>RNAstable Tube Kit</td>
<td>93221-001</td>
<td>(25) Tubes RNAstable, (1) Tube Sterile Water, (2) resealable sample pouches</td>
</tr>
<tr>
<td>RNAstable 96-well Plate</td>
<td>90220-001</td>
<td>(1) 96-well Plate, (2) Tubes Sterile Water, (1) resealable sample pouch</td>
</tr>
<tr>
<td>RNAstable 96-well Plates</td>
<td>90222-001</td>
<td>(10) 96-well Plate, (20) Tubes Sterile Water, (10) resealable sample pouches</td>
</tr>
<tr>
<td>Sample Storage Pouches</td>
<td>14001-007</td>
<td>Set of (10) moisture barrier foil bags and desiccants</td>
</tr>
</tbody>
</table>