The Future of RNA Purification is Here

TRIzol® IN

Direct-zol™ RNA
✓ No phase separation
✓ No miRNA loss
✓ Fully automatable

RNA OUT

High-quality small & large RNA
Non-biased miRNA recovery
Trusted & Proven

<table>
<thead>
<tr>
<th>Product</th>
<th>Cat. No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct-zol™ RNA Microprep</td>
<td>R2060, R2061*</td>
<td>50 Preps. (10 µg RNA)</td>
</tr>
<tr>
<td></td>
<td>R2062, R2063*</td>
<td>200 Preps. (10 µg RNA)</td>
</tr>
<tr>
<td>Direct-zol™ RNA Miniprep</td>
<td>R2050, R2051*</td>
<td>50 Preps. (50 µg RNA)</td>
</tr>
<tr>
<td></td>
<td>R2052, R2053*</td>
<td>200 Preps. (50 µg RNA)</td>
</tr>
<tr>
<td>Direct-zol™ RNA Miniprep Plus</td>
<td>R2070, R2071*</td>
<td>50 Preps. (100 µg RNA)</td>
</tr>
<tr>
<td></td>
<td>R2072, R2073*</td>
<td>200 Preps. (100 µg RNA)</td>
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<tr>
<td>Direct-zol™ RNA Magbead</td>
<td>R2100</td>
<td>2 x 96 Preps. (10 µg RNA/prep)</td>
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<tr>
<td></td>
<td>R2102</td>
<td>4 x 96 Preps. (10 µg RNA/prep)</td>
</tr>
<tr>
<td></td>
<td>R2104</td>
<td>8 x 96 Preps. (10 µg RNA/prep)</td>
</tr>
</tbody>
</table>

The data show RNA purified from TRIzol® samples using the Direct-zol™ RNA Miniprep compared to an unbiased method (miRNAseq, Ambion). Micro-RNA analysis was performed using miRNA-seq (miRSEQ, Illumina) and a direct hybridization assay (nCounter, Nanostring).

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GoodView™ Nucleic Acid Stain

—An alternative to EB

GoodView™ is a new nucleic acid stain, an alternative to the traditional ethidium bromide (EB) stain for detecting nucleic acid in agarose gels. It emits green fluorescence when bound to DNA or RNA. This new stain has two fluorescence excitation maxima when bound to nucleic acid, one centered at 268 nm and another at 294 nm. In addition, it has one visible excitation at 491 nm. The Fluorescence emission of GoodView™ bound to DNA is centered at 530 nm.

Comparative sensitivity test of GV and EB

![Sensitivity test result of GV at UV 300nm.](image)

![Sensitivity test result of EB at UV 300nm.](image)

The result of electrophoresis demonstrates GV is almost as sensitive as EB.

The Test Report from Institute for Environmental Health and Related Product Safety of Chinese Center for Disease Control and Prevention concludes that:

◆ Acute Oral Toxicity Test: GoodView™ Nucleic Acid Stain belongs to nontoxic.
◆ Mouse Marrow Chromophilous Erythrocyte Micronucleus Test: Negative. There is no significant difference in the incidence of micronuclei between test and control groups.
◆ Ames Test: Negative. No mutagenicity was observed.
◆ In Vitro Mammalian Cell Chromosome Aberration Test: Negative. No increasing aberration rate was observed.

The test report is available upon request.

Beijing SBS Genetech Co., Ltd.
Fax: +86-10-82784290
Email: order@sbsbio.com  Website: www.sbsbio.com
Exosome RNA
– from samples to data in 3 steps

The potential of exosome RNA
As extracellular vesicles carrying a spectrum of biomolecules, exosomes hold a snapshot of ongoing biological processes. Harnessing their contents can expand our understanding of intracellular communication and uncover meaningful biomarkers of disease.

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- Ensure stability of transcript levels during transport and storage
- Streamline processing with efficient **manual or automated protocols**

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2017-2018

SCIENTIFIC CONFERENCES

Presenting the most significant research on cancer etiology, prevention, diagnosis, and treatment

Third CRI-CIMT-EATI-AACR International Cancer Immunotherapy Conference
Conference Co-chairs: Stanley Riddell, Robert D. Schreiber, Christoph Huber, and Guido Kroemer
September 6-9, 2017 | Mainz/Frankfurt, Germany

Advances in Modeling Cancer in Mice: Technology, Biology, and Beyond
Conference Co-chairs: Cory Abate-Shen, Kevin M. Haigis, Katerina A. Politi, and Julien Sage
September 24-27, 2017 | Orlando, FL

Tenth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Conference Co-chairs: John M. Carethers, Rick A. Kittles, Christopher J. Li, and Electa D. Paskett
September 25-28, 2017 | Atlanta, GA

Tumor Immunology and Immunotherapy
Conference Co-chairs: James P. Allison, Carl H. June, Miriam Merad, and Giorgio Trinchieri
October 1-4, 2017 | Boston, MA

Addressing Critical Questions in Ovarian Cancer Research and Treatment
Conference Co-chairs: Robert C. Bast, Jr., Ursula A. Matulonis, and Anil K. Sood
October 1-4, 2017 | Pittsburgh, PA

Advances in Breast Cancer Research
Conference Co-chairs: Myles A. Brown, Tak W. Mak, Ramon E. Parsons, and Laura J. van’t Veer
October 7-10, 2017 | Hollywood, CA

AACR-NCI-EORTC Molecular Targets and Cancer Therapeutics
Scientific Committee Co-chairs: Antoni Ribas, James L. Gulley, and Charles Swanton
October 26-30, 2017 | Philadelphia, PA

New Horizons in Cancer Research
Conference Co-chairs: Nancy E. Davidson, Kornelia Polyak, Chi Van Dang, Hongyang Wang
November 6-9, 2017 | Shanghai, P.R. China

Prostate Cancer: Advances in Basic, Translational, and Clinical Research
Conference Co-chairs: Johann S. de Bono, Karen E. Knudsen, Peter S. Nelson, and Mark A. Rubin
December 2-5, 2017 | Orlando, FL

Pediatric Cancer
Conference Co-chairs: Peter C. Adamson, Nada Jabado, and Charles W. M. Roberts
December 3-6, 2017 | Atlanta, GA

San Antonio Breast Cancer Symposium Presented by CTRC-AACR-BCM
Codirectors: Carlos L. Arteaga, Virginia G. Kaklamani, and C. Kent Osborne
December 5-9, 2017 | San Antonio, TX

Obesity and Cancer
Conference Co-chairs: Lewis C. Cantley, Michael N. Pollak, and Elizabeth A. Platz
January 27-30, 2018 | Austin, TX

Immunobiology of Primary and Metastatic CNS Cancer: Multidisciplinary Science to Advance Cancer Immunotherapy
Conference Co-chairs: Hideho Okada, Robyn S. Klein, Ignacio Melero, and Patricia S. Steeg
February 12-15, 2018 | San Diego, CA

Targeting DNA Methylation and Chromatin for Cancer Therapy
Conference Co-chairs: Stephen B. Baylin, Margaret A. Goodell, and Peter A. Jones
March 1-4, 2018 | Atlanta, GA

AACR Annual Meeting 2018
Program Committee Chair: Elaine R. Mardis
April 14-18, 2018 | Chicago, IL

Learn more and register at AACR.org/Calendar

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American Association for Cancer Research
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Cold Spring Harbor Laboratory, a world-renowned scientific research facility on Long Island’s North Shore, is searching for a scientist interested in the communication of science to fill the position of Associate Editor at *Genome Research*, a journal that publishes advances in genome biology and genomic medicine. *Genome Research* is among the ten most highly cited research journals in biochemistry and molecular biology.

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