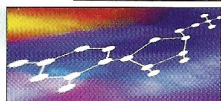


**RNA** Ambion®  
*Diagnostics*™

ENABLING RNA ANALYSIS FOR THE DIAGNOSTIC AND PHARMACEUTICAL INDUSTRIES



CONTRACT  
MANUFACTURING ●

DIAGNOSTIC  
PRODUCTS ●

PARTNER  
SOLUTIONS ●

DESIGN  
SOLUTIONS ●

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# HELP US TO STAY ON OUR TOES!

THREE THINGS THAT YOU CAN DO TO HELP US HELP YOU

1

## Challenge us!

We'd like to put our 45 scientists at your disposal as you incorporate RNA technology into your diagnostic & pharmaceutical protocols.

## Keep this catalog around!

We believe it'll come in handy, especially for:

- Tissue collection (page 6)
- RT-PCR problems and solutions (page 10)
- Mutation screening applications (page 11)
- Routine maintenance of RNA work areas (page 12)

2

## Return this card & expect the best!

We intend to provide the highest quality information regarding the rapidly evolving field of RNA diagnostics. Subscribers to our mailing list can expect regular focused insights into RNA diagnostics that will add value to your work.

3

**Return the card below to receive more information!**

**YES**  
**SIGN ME UP FOR MORE!**

Here is some information about me for your mailing list.

### Interests:

- Design Solutions
- Custom Manufacturing
- Products
  - Sample Collection
  - RNA Purification
  - RNA Amplification & Genotyping
  - Controls & Standards
- Partner Solutions

NAME \_\_\_\_\_

INSTITUTION \_\_\_\_\_

DEPARTMENT \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

TELEPHONE # \_\_\_\_\_

FAX # \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_

### Type of Laboratory:

- Hospital
- Reference
- Pharmaceutical
- IVD Development

### Position:

- Technician
- Manager
- Scientist
- Director
- Project Leader

Ambion RNA Diagnostics is committed to unique core values. We listen well. We partner well. We've done our homework. This inaugural catalog incorporates these values. Buy off of our well-stocked shelves or take advantage of our services for developing next generation technologies! As you page through this catalog, be sure to note our commitment to cGMP manufacturing as a measure of quality. And please note our investment in applications for aRNA and RNAi as a measure of our commitment to cutting edge technology.

**Call us.**  
**We're ready and waiting**  
**to listen and deliver.**



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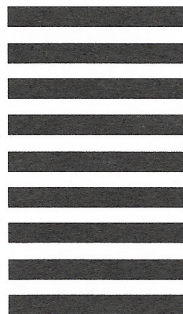
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RNA  *Diagnostics*<sup>™</sup>

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2130 WOODWARD ST  
AUSTIN TX 78744-9828





# Ambion RNA Diagnostics

The RNA Applications Company  
A New Division of Ambion, Inc.

Molecular biology continues to have a dramatic impact on clinical medicine and on the development of better therapeutic agents, with the promise of improved patient outcomes. At Ambion RNA Diagnostics (ARD), we recognize that advancing the frontiers of molecular technology is a prerequisite for enabling high quality diagnostic and pharmaceutical applications.

Since 1989, Ambion Inc. has positioned itself among the best experts in RNA Technology worldwide. We have created an extensive worldwide distribution network and provided timely, accurate and easy to understand information to our customers. To molecular biology researchers around the globe, Ambion has become synonymous with high quality RNA products and technologies that allow them to analyze patterns of gene expression more rapidly and with greater sensitivity.

Ambion RNA Diagnostics is a newly created division of Ambion that focuses on providing this same level of innovative products and technology to the in vitro diagnostic laboratory and pharmaceutical processing industries. We are developing an array of robust RNA-related diagnostic products that give IVD professionals high quality controls, reagents and kits to detect RNA with greater ease and precision. Our cGMP manufacturing capabilities allow us to provide high quality RNA materials to both the diagnostic and pharmaceutical industries.

Our commitment to high quality manufacturing combined with a dedicated staff of scientists is now available to our customers on a contract basis. Our RNA scientists are ready to work with your team to solve your most challenging RNA-based materials, production, and product needs. You will find the most creative approaches to your RNA problems in the industry. We are dedicated to teaming with your technical staff and achieving on-time performance at the highest quality levels.

At the heart of Ambion RNA Diagnostics products are Armored RNA™ controls and standards. We offer a wide range of products and services that meet the needs of test kit manufacturers, laboratories and hospitals with an emphasis on improving the accuracy of test results resulting in improved, more cost effective patient care. Our RNA controls and standards have become key components in detecting viruses. Armored RNA incorporates a unique system for packaging RNA in bacteriophage coat proteins to protect and stabilize the RNA. The result is an RNA control that is completely resistant to ribonuclease digestion and is stable during long term storage. Once the packaged RNA is extracted from the protective coat proteins, it becomes an ideal template for reverse transcription and subsequent amplifications.

Ambion RNA Diagnostics has also developed technologies such as RNA<sup>later</sup>™ and an array of nucleic acid preparation products, a mutation detection system and a platform of innovative solutions for the IVD laboratorian involved in developing RNA assays. We are finding that RNA<sup>later</sup> stabilizes RNA within patient derived tissue specimens and potentially other patient derived specimens. The tissue does not require the ultra-low temperature conditions normally required when preserving RNA in this form.

Our mission is to become your partner in providing RNA solutions for your most challenging applications.

# Design Solutions For Your Most Sensitive RNA Applications

Ambion RNA Diagnostics is continuously designing ways to make RNA analysis easier and more powerful, for both pharmaceutical and diagnostic applications, where quality and sensitivity are critical. Our goal is to provide unique products that solve your problems, using the expertise of over 45 scientists and building from our broad base of intellectual property.

## AMBION RNA DIAGNOSTICS CAPABILITIES

PRODUCT AND ASSAY DEVELOPMENT

FINE TUNING CUSTOMIZATION

CUSTOM FORMULATION

PROCESS ENGINEERING

OPTIMIZATION

## DESIGN SOLUTIONS IN PROGRESS

CUSTOM ARMORED RNA CONTROLS & STANDARDS  
(MORE INFO ON PAGE 5)

PURIFIED RNA FROM HUMAN TUMOR & NORMAL TISSUE

DETECTION KITS FOR RNA VIRUSES

## COMMITMENT TO CUTTING EDGE TECHNOLOGY

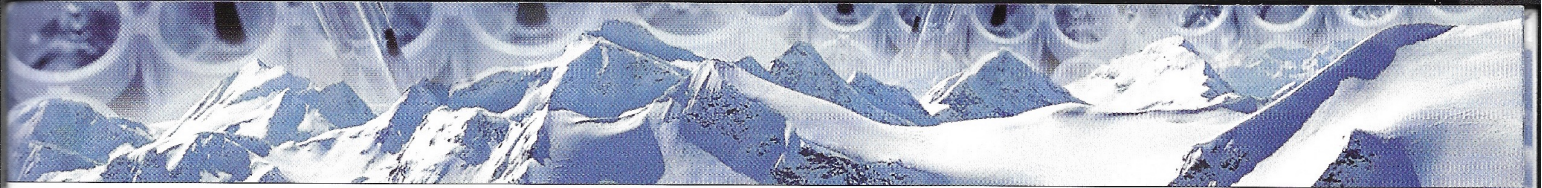
### aRNA - A VIEW TO THE FUTURE

Representational amplification of anti-sense RNA, (aRNA), addresses the emerging need for large amounts of RNA in expression profiling. Small biopsies and laser microdissected cells, for example, often yield insufficient RNA for multiple marker assays. Ambion has solved this problem with the development of MessageAmp™, a kit for robust, non-biased generation of aRNA, based on the Eberwine method.

### RNAi - AN EMERGING THERAPEUTIC TOOL

RNA interference, (RNAi), is an area of considerable investment for Ambion. RNAi is the newly discovered process by which creation of dsRNA leads to the silencing of a homologous gene. This is a powerful new tool for studying gene function, with possible use in therapeutic gene silencing.

Ambion RNA Diagnostics believes that powerful clinical applications will grow out of these new technologies, and stands ready to apply its expertise to your needs.



# From Concept To Commercialization

Our investment in new cGMP manufacturing facilities highlights ARD's commitment to clinical, pharmaceutical, and IVD applications. Let our contract experts work with you to define measurable targets, achieve on-time performance, and deliver the highest product quality.

## CAPABILITIES

### FACILITIES

- Development
- Production
- Quality Control
- Specimen Accessing & Processing
- Class 100 Filling
- Packaging

### QUALITY

- cGMP Manufacturing
- ISO 9001 Certification
- Formulation
- Clinical Laboratory Testing
- Statistical Process Control
- Customer Service and Product Distribution
- Raw Material Qualification

### TECHNICAL

- Dedicated scientific support staff
- Calibrator & control value assignment program
- Process & equipment qualification & validation
- Complete nucleic acid analysis facilities (3 area PCR separation)
- Product & process development
  - RNA synthesis
  - RNA isolation from any sample source
  - Diagnostic assay kits
  - Molecular biology components & kits
- Product stability evaluations

### AMBION SERVICE VALUES

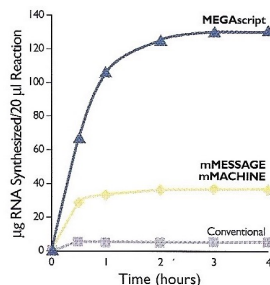
Quality  
 Cost Efficiency  
 Knowledge



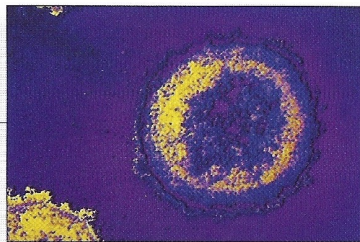
# From Concept To Commercialization

## AMBION, THE RECOGNIZED LEADERS IN HIGH YIELD IN VITRO TRANSCRIPTION

- A crucial component of RNA bioprocessing
- Patented technologies: MEGAscript™ and mMESSAGE mMACHINE™
- Ribozyme, antisense, RNAi, aRNA, and RNA vaccine applications



**ASSAYS**  
Sensitivity  
Specificity  
Precision  
Accuracy

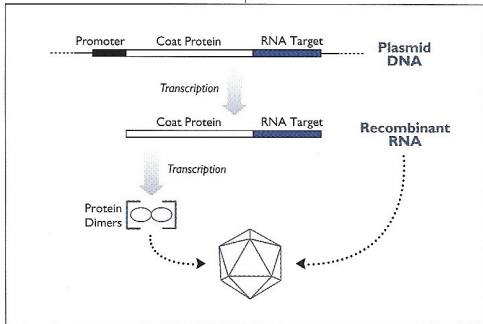


**CLONING & PROTEIN ENGINEERING**

- Armored RNA™ Construction
- Recombinant proteins for Biopharmaceutical processing to eliminate animal-derived components



CUSTOM FILLING





# A Breakthrough In RNA Controls & Standards

## Armored RNA®

**Stable**  
Protected from RNase

**Homogenous**  
Single RNA target

**Flexible**  
Formulated into blood, serum, or plasma  
matrices

**Adaptable**  
Incorporate up to 2 kb of any sequence

**Compatible**  
Incorporate into any assay format, allowing  
direct assay comparisons

**Non-Infectious**  
Safe for handling and shipping

**Armored RNA® Technology** is ideally suited to clinical applications as standards or controls for:

- Developing & validating "in house" assays
- Clinical run-positive controls
- Quantitative internal spiked controls for amplification & detection methods, including real-time PCR

Armored RNA is based on assembly of bacteriophage coat protein around an RNA target to form pseudo-viral particles. The particles are stable for at least 11 months at 4°C and are compatible with assays such as Roche RT-PCR, Bayer bDNA, Innogenetics LiPA, Gen-Probe TMA, and BD SDA.

### Our Target or Yours: Custom Armored RNA

Ambion RNA Diagnostics is ready to design and manufacture Armored RNA to suit your needs. Or you may select from our menu of ready-to-use RNA targets derived from HIV, HCV, HCV Genotypes, HAV, HGV, Norwalk, West Nile, Dengue, Ebola, Borna, Nipah, and Enterovirus.

Armored RNA as a technological solution to the standardization conundrum makes for mood-elevating reading. There are two clear and immediate indications for using these or similar reagents. First and foremost, this type of control should replace the positive-control reagents currently included in commercial ...molecular assays. The second obvious use of Armored RNA controls is in the production of proficiency testing materials.

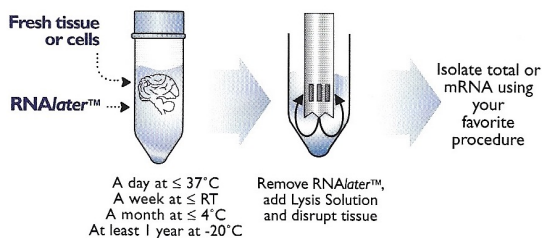
*(Dr. Charles Cartwright, Clinical Chemistry 45:12, 1999)*



# From Patient To Result...

## RNAlater™

### TISSUE RNA STABILIZATION SYSTEM



#### FEATURES & BENEFITS

- Available in 1.5 or 5 ml individual use devices, or custom-filled to your specifications
- The first system to aid in the collection and stabilization of RNA within tissues
- Stabilizes RNA in the cell, providing a snapshot of gene-expression profiles
- RNA stabilization for up to 1 week at room temperature during tissue storage and transportation
- Compatible with a wide array of isolation procedures
- Eliminates grinding of frozen tissue

#### RNAlater™ TISSUE SAMPLING DEVICE

RNAlater™ is an aqueous, non-toxic tissue and cell storage reagent that is now available in easy-to-use individual devices containing the right amount for your biopsy sample. RNAlater stabilizes and protects cellular RNA in intact, unfrozen tissue samples. Tissue samples can be biopsied and submerged in RNAlater for storage without jeopardizing the quality or quantity of RNA obtained after RNA isolation. Samples can be stored frozen or unfrozen. RNAlater is compatible with a wide range of RNA isolation systems.

PARTNER SOLUTIONS ORDERING INFORMATION PRODUCT CATEGORIES CONTRACT MANUFACTURING DESIGN SOLUTIONS

RNAse CONTAINMENT • RNA AMPLIFICATION & GENOTYPING • RNA PURIFICATION • SAMPLE COLLECTION • CONTROLS & STANDARDS



## ...Assure RNA Quality

### RNA<sub>later</sub>™ IN SPACE

In its brief history, RNA<sub>later</sub> has become an indispensable product. It has accompanied researchers to thermal vents in the deepest waters of the Pacific, to remote islands and coral reefs, and into hospital operating rooms: situations where flash-freezing tissue in liquid nitrogen is impractical.

Now RNA<sub>later</sub> has gone into space, assisting in the research of T.G. Hammond of Tulane University. Dr. Hammond's research addresses changes in gene expression in micro-gravity environments, where experiments need to be carried aboard spacecraft in orbit.

### A CUSTOMER'S PERSPECTIVE

*RNA<sub>later</sub>™ is one of the most important advances I have come across. In fact, we are able to isolate more mRNA from samples stored in RNA<sub>later</sub> than from matching flash frozen material. We are isolating mRNA from endoscopic biopsies of esophageal cancer, fine needle aspirants of liver mets from colon and breast cancer samples. We always ship at room temperature (we tested several samples standing at room temperature and 4°C for a period of two weeks without degradation). We have isolated mRNA from samples that took nine days to be shipped from Belgium with no problems.*

— Kathy Danenberg, Response Genetics

### TISSUE COLLECTION WITH THE PATIENT IN MIND

Specimen re-tests, or worse, repeating a tissue biopsy, is not the result of poor quality RNA when the Ambion RNA Diagnostics RNA<sub>later</sub>™ collection device is a standard part of the tissue collection protocol. Just place your tissue specimen directly into the device containing RNA<sub>later</sub> and it immediately stabilizes the RNA in the cells and protects it from enzyme degradation. It is no longer necessary to snap-freeze another specimen resulting in more effective lysis during the isolation process.

# High Quality RNA Isolation...

## RNAqueous™ Technology

A wide range of kits are available from Ambion for purification of high quality RNA, including rapid, phenol-free **RNAqueous™** Kits. Routine, scalable RNA purification in a simple format is expected for clinical and pharmaceutical work – and ARD delivers. More important is assurance that contamination with genomic DNA is prevented in RT-PCR samples. **RNAqueous™-4PCR** and **DNA-free™** incorporate an easy DNase I step to solve this DNA contamination problem, all in one tube!

Ambion also has an ingenious kit for recovery of RNA from **fixed embedded tissues**. In four easy steps RNA is purified and ready for subsequent applications such as RT-PCR or representational amplification (aRNA).

### RAPID

RNA free of carryover DNA in 45 minutes



### SAFE

Phenol-free RNA isolation & DNase removal



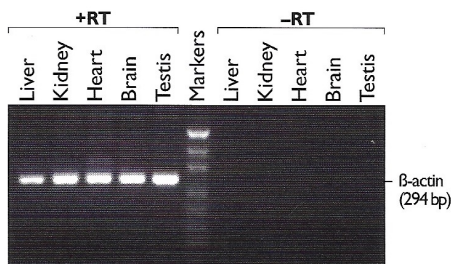
### OPTIMIZED

For use with small & large clinical samples



### FLEXIBLE

High throughput 96-well or single tube formats



RT-PCR Results Using RNA Isolated With RNAqueous™

Use Ambion RNA purification kits for human blood, tissue, and cell suspensions (e.g. mononuclear cells, biopsies).



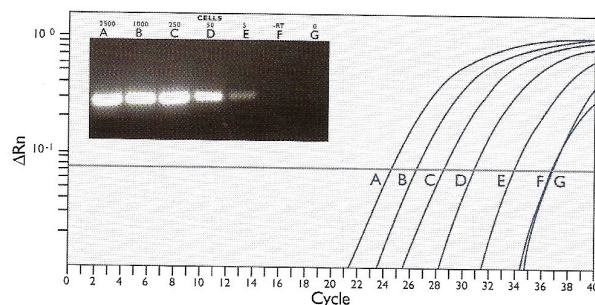
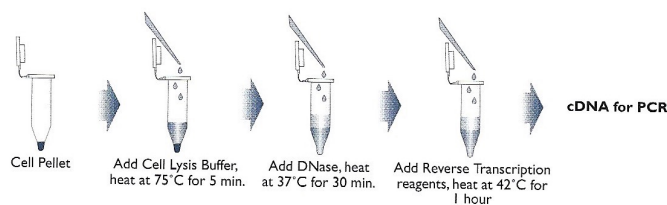
...or Skip RNA Isolation Altogether!

# Cells-to-cDNA™

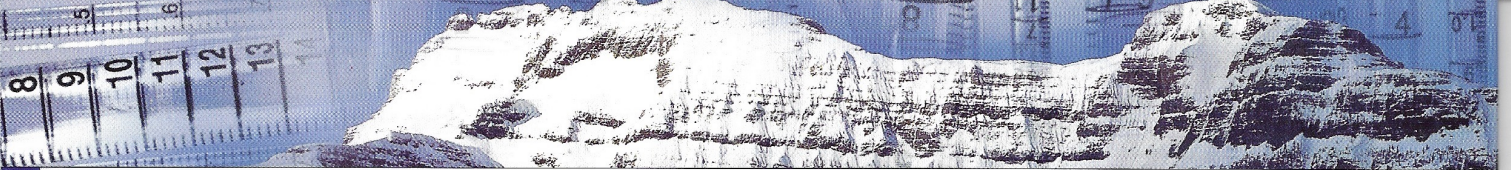
## GENERATES cDNA FAST WITHOUT RNA ISOLATION

- Facilitates integration to automated platforms
- Sample to cDNA in one tube
- Optimize analysis of small samples

qRT-PCR, the most common method for quantitating mRNA in small samples, can be difficult when few cells are present. Cells-to-cDNA makes this easy by integrating RNase inactivation and DNase I treatment into an RT-PCR-compatible Cell Lysis Buffer – eliminating RNA isolation altogether. Most lysis buffers contain RT-PCR inhibitors, but Cells-to-cDNA contains a novel buffer that inactivates RNases without compromising downstream enzymatic reactions.



Real-Time qRT-PCR on the ABI 7700 with Cells-to-cDNA™



## RT-PCR: We've Got the Goods

# Products for RT-PCR

### Standards

- Armored RNA® Controls & Standards
- QuantumRNA™ Internal Standards

### RT-PCR Kits

- Gene-specific applications
- "In-house" assay components

### Enzymes

- SuperTaq™ Polymerase
- M-MLV Reverse Transcriptase

### Quality Control


- Reverse Transcriptase quality monitoring
- DNA contamination control
- RNase contamination control

### MOST COMMON RT-PCR PITFALLS

- 1 Quantitation when products are not in exponential phase
- 2 Not using a "minus RT" control to identify DNA contamination
- 3 Use of an inappropriate internal control
- 4 Using EtBr to quantitate
- 5 Incorrect primer design
- 6 Introducing DNA cross contamination
- 7 Setting the base line improperly in real time PCR
- 8 Using a DNA mimic for competitive RT-PCR
- 9 Using poor quality RNA
- 10 Not using a reaction "cocktail"

### TEN HARD SOLUTIONS

- 1 Armored RNA® internal standards
- 2 Gene-specific RT-PCR Kits
- 3 Easy DNA contamination removal with DNA-free™
- 4 QuantumRNA™ Internal Standards.
- 5 PCR decontamination with DNAZap™
- 6 RNA purification with RNAqueous™-4PCR
- 7 RNase-free tubes & tips
- 8 High quality FirstChoice™ RNA from human tumor and normal RNA
- 9 IntraSpec™ Comparative RT-PCR Kits
- 10 RT-Check™ for monitoring quality and efficiency



# An Ideal Solution For High Throughput Genotyping

## MutationScreener™

The **MutationScreener** Kit, based on our RNA mismatch technology, has been extensively validated as a tremendous adjunct to mutation prediction. It is a genotyping technique unlike any other in that it has:

- **VERSATILITY** to detect all types of mutations including substitutions, insertions and deletions. Detected 100% of p53 mutations in a large study population.
- **HIGH SENSITIVITY** for detecting rare mutations in a large background of wildtype alleles. Detected 100% of p53 mutations present at 4% of wildtype.
- **BROAD TARGET CAPACITY:** ability to screen a 1.5 kb target in a single step.
- **HIGH-THROUGHPUT CAPABILITY**, delivering results rapidly, with robotic automation possible.
- **LOW COST.** No major investment in equipment is required. Consumables cost only a fraction of other methods.

MutationScreener has been used effectively to screen human disease genes and bacterial drug resistance genes. Following amplification, the assay involves single tube sequential addition of reagents for transcription, hybridization and cleavage, making full automation possible.

### CALL US IF YOU NEED HELP WITH PRIMER DESIGN!

#### PUBLICATION EXCERPTS

"...the RNA mismatch assay appears to be the method of choice for unknown mutations present in only a small proportion of cells in the target tissue." (*Dunger et al., Analytical Biochemistry, 2001*)

"(NIRCA) was successful in distinguishing all six *Brucella* species tested...The method should be applicable to all hard-to-subtype bacterial strains." (*Bricker et al., BioTechniques, 1999*)

"Our experience showed NIRCA to be fast, reliable, and providing the ability to study long target regions (of the p53 gene) in a single step, thus making this assay useful for genetic screening." (*Tommasi et al., Cancer Genetics & Cytogenetics, 2001*)



## Products To Ensure RNA Success

- RNASE-FREE TIPS AND TUBES
- RNASE-FREE BUFFERS
- RNASE INHIBITORS
- RNASE & DNASE DECONTAMINATION

### **SUPERase•In™**

- Most effective RNase inhibitor available - inhibits RNase A, B, C, T1 and 1
- More powerful than placental ribonuclease inhibitor
- Greater protection against RNA degradation. No interference with RNA polymerase, reverse transcriptase, or Taq polymerase
- Active up to 65°C and from pH 5.5 to 8.5. No DTT requirement

### AMBION'S RECOMMENDED RNA LAB MAINTENANCE

#### DAILY

- Use RNAsecure™ to inactivate RNases in solutions
- Clean benchtops, pipettors, and tube racks with RNaseZap™ spray or wipes
- Use Ambion's RNase-free buffers and reagents
- Use Ambion's RNase-free tubes and pipette tips
- Use SUPERase•In™ in reactions such as RT-PCR

#### WEEKLY

- Clean benchtops, pipettors, and tube racks with RNaseZap spray or wipes
- Clean pH meter electrodes with ElectroZap™

#### MONTHLY

- Test water source for RNase using RNaseAlert™

#### As Needed

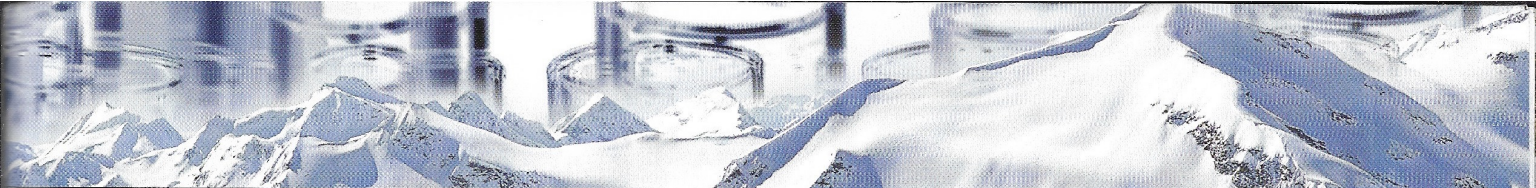
- Clean electrophoresis equipment with RNaseZap spray or wipes prior to use
- Reheat solutions treated with RNAsecure to inactivate introduced RNases

## Alphabetical By Product Name

CAT#	PRODUCT NAME	UNIT	PRICE
12230	0.2 ml RNase-Free 8 Strip Tubes	125	\$100
12225	0.2 ml RNase-Free Tubes	1000	\$84
12250	0.5 ml RNase-Free Tubes	1000	\$68
12300	0.5 ml RNase-Free Tubes	1000	\$48
9530G	1 M MgCl	100 ml	\$16
9851	1 M Tris	500 ml	\$42
12400	1.5 ml RNase-Free Tubes	500	\$26
9624	10x PBS	500 ml	\$24
9869	10X TAE Buffer	1000 ml	\$32
10035	96 Well RNase-Free PCR Plate	10	\$96
42080	Armored RNA-Bornavirus in TSM Buffer	50	\$125
42044	Armored RNA-Dengue Virus in TSM Buffer	50	\$125
42060	Armored RNA-Ebola (Zaire) in TSM Buffer	50	\$125
42050	Armored RNA-Enterovirus in TSM	50	\$125
42004	Armored RNA-HCV (Genotype 1a) in TSM Buffer	50	\$125
42006	Armored RNA-HCV (Genotype 1b) in TSM Buffer	50	\$125
42008	Armored RNA-HCV (Genotype 2a/c) in TSM Buffer	50	\$125
42010	Armored RNA-HCV (Genotype 2b) in TSM Buffer	50	\$125
42011	Armored RNA-HCV (Genotype 2b) in TSM Buffer, Amplicor HCV Monitor Qualified Positive Control	50	\$125
42012	Armored RNA-HCV (Genotype 3a) in TSM Buffer	50	\$125
42200	Armored RNA-HCV Panel I (Genotypes 1a, 1b, 2a/c, 2b, 3a) in TSM Buffer	50 each	\$550
42020	Armored RNA-Hepatitis A Virus in TSM Buffer	50	\$125
42024	Armored RNA-Hepatitis G Virus in TSM Buffer	50	\$125
42000	Armored RNA-HIV (Type B) in TSM Buffer	50	\$125
42002	Armored RNA-HIV (Type B) in TSM Buffer, Amplicor HIV-1 Monitor Qualified High Positive Control	50	\$125
42001	Armored RNA-HIV (Type B) in TSM Buffer, Amplicor HIV-1 Monitor Qualified Low Positive Control	50	\$125
42070	Armored RNA-Nipah Virus in TSM Buffer	50	\$125
42030	Armored RNA-Norwalk Virus (Genogroup I) in TSM Buffer	50	\$125
42032	Armored RNA-Norwalk Virus (Genogroup II) in TSM Buffer	50	\$125
42040	Armored RNA-West Nile Virus (HNY1999) in TSM Buffer	50	\$125
1612	BRCA Mutation Screener Kit	120	\$240
1712	Cells-to-cDNA Kit	40	\$242
1713	Cells-to-cDNA Kit	100	\$484
9920	DEPC-treated water	500 ml	\$34
1906	DNA-free	50	\$58
9890	DNAZap	250 ml	\$48
9785	ElectroZap	250 ml	\$40
7248	Human Bladder Tumor/NAT RNA	2x5 µg	\$294
7220	Human Breast Tumor/NAT RNA	2x5 µg	\$294
7276	Human Cervix Tumor/NAT RNA	2x5 µg	\$294
7236	Human Colon Tumor/NAT RNA	2x5 µg	\$294
7252	Human Kidney Tumor/NAT RNA	2x5 µg	\$294
7244	Human Liver Tumor/NAT RNA	2x5 µg	\$294
7224	Human Lung Tumor/NAT RNA	2x5 µg	\$294
7268	Human Lymphoma Tumor/NAT RNA	2x5 µg	\$294
7256	Human Ovary Tumor/NAT RNA	2x5 µg	\$294
7228	Human Pancreas Tumor/NAT RNA	2x5 µg	\$294
7264	Human Stomach Tumor/NAT RNA	2x5 µg	\$294
7260	Human Testes Tumor/NAT RNA	2x5 µg	\$294
7272	Human Thymus Tumor/NAT RNA	2x5 µg	\$294
7240	Human Thyroid Tumor/NAT RNA	2x5 vg	\$294

### Alphabetical By Product Name

CAT#	PRODUCT NAME	UNIT	PRICE
7232	Human Uterus Tumor/NAT RNA	2x5 µg	\$294
1742	IntraSpec Comparative RT-PCR Kit	10 & 200	\$215
2043	M-MLV Reverse Transcriptase	4000U	\$65
2044	M-MLV Reverse Transcriptase	10000 U	\$145
1750	MessageAmp aRNA	20	\$795
1419	MutationScreener Kit	120	\$325
9930	Nuclease-free Water	500 ml	\$34
1610	p53 Mutation Screener Kit	120	\$230
1902	Paraffin Block RNA Isolation	100	\$232
1718	QuantumRNA 18S Standards	100	\$110
1716	QuantumRNA 18S Standards	100	\$110
1717	QuantumRNA 18S Standards	100	\$110
1720	QuantumRNA β-actin Standards	100	\$110
1710	RETROscript Kit	40	\$206
44001	RNAlater	50x1.5 ml	\$135
44002	RNAlater	20x5ml	\$135
7020	RNAlater	100 ml	\$72
7024	RNAlater	250 ml	\$150
7021	RNAlater	500 ml	\$230
1912	RNAqueous	50	\$170
1913RN	RNAqueous + Blood Module		\$206
1913	RNAqueous Blood Module	50	\$50
1911	RNAqueous Midi	15	\$126
1920	RNAqueous-96	192	\$404
1914	RNAqueous-4PCR	30	\$148
1964	RNaseAlert	25	\$100
9780	RNaseZap	250 ml	\$40
9786	RNaseZap Wipes	100	\$40
12665	RNase-Free Tips, 1 ml	10x100	\$100
12648	RNase-Free Tips, 100 ul	10x96	\$100
12645	RNase-Free Tips, 20 ul	10x96	\$100
12655	RNase-Free Tips, 200 ul	10x96	\$100
7005	RNAsecure Reagent	1 ml	\$16
1715	RT-Check	100	\$100
42700	RunReady HCV Panel I (Genotypes 1a, 1b, 2a/c, 2b, 3a) in TSM Buffer	10 each	\$360
42799	RunReady-Clarified Normal Human Serum	10	\$80
42704	RunReady-HCV (Genotype 1a) in TSM Buffer	10	\$80
42706	RunReady-HCV (Genotype 1b) in TSM Buffer	10	\$80
42708	RunReady-HCV (Genotype 2a/c) in TSM Buffer	10	\$80
42710	RunReady-HCV (Genotype 2b) in TSM Buffer	10	\$80
42711	RunReady-HCV (Genotype 2b) in TSM Buffer, Amplicor HCV Monitor Qualified Positive Control	10	\$80
42712	RunReady-HCV (Genotype 3a) in TSM Buffer	10	\$80
42502	RunReady-HIV (Type B) in TSM Buffer, Amplicor HIV-1 Monitor Qualified High Positive Control	10	\$80
42501	RunReady-HIV (Type B) in TSM Buffer, Amplicor HIV-1 Monitor Qualified Low Positive Control	10	\$80
42599	RunReady-Normal Human Plasma	10	\$80
2694	SUPERase-In	2500 U	\$74
2696	SUPERase-In	10000 U	\$210
2050	SuperTaq	50 U	\$48
2052	SuperTaq	250 U	\$190
2054	SuperTaq Plus	50 U	\$56
2056	SuperTaq Plus	250 U	\$210
2053	SuperTaq Real-Time	250 U	\$210



## Partner Solutions

Ambion RNA Diagnostics (ARD) is committed to building partnerships within the pharmaceutical and diagnostics industries. We proudly point to ongoing partnerships with Roche Molecular Systems, Gen-Probe, Abbott, Innogenetics, and Qiagen as demonstration of this commitment. Within the ARD portfolio of products and services, many opportunities exist for licensing or joint venture. We welcome your interest and encourage you to contact us in this regard.

### INTENDED USE

All products listed in this catalog are intended for research use only. These products are NOT intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in man or other animals. These products are NOT suitable for administration to humans or animals.

### PATENTS & LICENSING

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