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Advance Your RNA workflow results
with enzymes, proteins, and kits

RNA processing reagents

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Certified Quality



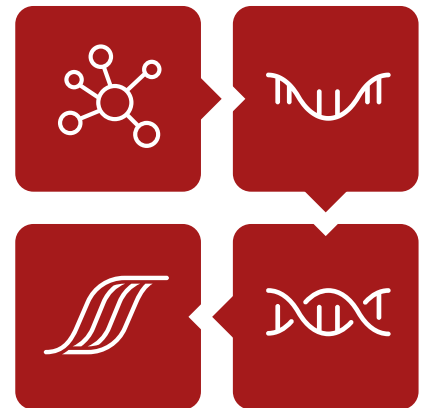
Large production
scale



Tailor-made
products

Complete portfolio for RNA workflow

- **EXTRACTME VIRAL RNA KIT**
- **EXTRACTME TOTAL RNA KIT**
- **RIBOPROTECT** — Also LYO-READY version
- **PROTEINASE K** — Molecular Biology and NGS Grade
- **DNaseMe** (dsDNase)
- **Masterase** (HL-dsDNase)
- **TRANSCRIPTME Reverse Transcriptase** — Also LYO version
- **TaqNovaHS DNA Polymerase**
- **AMPLIFYME Probe One-Step** — Universal and No-ROX versions
- **dNTPs MIX**



Perfect choice for Life Science

Contact us at enzymes@blirt.eu to discuss your needs



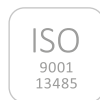
Customized
products



Technical
support



Global
distribution



Certified
quality



Made
in Poland



Partnership
CMO/OEM



Now a **QIAGEN** company

Enzymes As You Need www.blirt.eu

Products for RNA processing

EXTRACTME VIRAL RNA KIT

Designed for the rapid and efficient purification of high-quality viral RNA from swabs. **Optimized for high isolation efficiency and RNA purity.** Purified RNA may be used directly in all downstream applications, such as RT-LAMP, RT-qPCR, cDNA synthesis. Binding capacity ~ 120 µg RNA, Time required 10 – 12 minutes, RNA purity – A260/A280 ratio = 1.9 – 2.1.

EXTRACTME TOTAL RNA KIT

Isolation protocols and buffer formulations optimized for high isolation efficiency and great purity of RNA. **Rapid and efficient purification of high-quality RNA from tissue (fresh or frozen) or cultured cells. Effectively removes impurities and enzyme inhibitors.**

RIBOPROTECT RNase Inhibitor

Also LYO-READY version

Boost your lab performance with **RIBOPROTECT**, the RNase inhibitor known for its purity, stability, and batch-to-batch consistency. Preserve degradation-prone samples with reagents manufactured to the highest quality standards. **Protects your RNA from degradation. Thermally stable RNase Inhibitor ensuring complete RNA protection and integrity — reliable results in downstream applications.** Intended for use in applications where the presence of RNases may cause a hazard to RNA quality and experimental results, e.g. in RNA isolation, cDNA synthesis, RT-PCR, RT-LAMP, in vitro transcription and translation.

PROTEINASE K Molecular Biology and NGS Grade

Powder and liquid form, bulk available. Broad spectrum endopeptidase with a very high specific activity. Active under a wide range of reaction conditions, including elevated temperatures and SDS presence. **Free of exonucleases, endonucleases, and ribonucleases. Digestion of proteins, including DNases and RNases, during nucleic acid preparations without compromising isolated DNA or RNA integrity.**

DNaseMe (dsDNase)

High specific activity towards double-stranded DNA leaving single-stranded DNA or RNA undamaged in standard conditions.

Extremely useful for rapid and RNA-safe degradation of genomic DNA, where the absence of ribonucleases is critical to maintaining the integrity of RNA.

Masterase (HL-dsDNase)

Heat-labile recombinant endonuclease that displays high specific activity towards double-stranded DNA. **Masterase** can be easily inactivated by heat treatment in moderate temperatures. **Intended for applications where the presence of dsDNA influences experimental results in thermo-sensitive applications and it is extremely useful for rapid and safe purification of RNA or proteins samples from contaminating DNA.**

TRANSCRIPTME Reverse Transcriptase

Also LYO version

Increased thermal stability for high yields of full-length cDNA synthesis ready to use in downstream applications. Starting material: 10 pg – 5 µg of total RNA or 10 pg – 500 ng of mRNA. **High yields of full-length cDNA synthesis. The perfect component for developing RT-LAMP kits, RT-qPCR, and RT-PCR assays.**

TaqNovaHS DNA Polymerase

High specificity with minimal optimization for developing diagnostic PCR kits. Eliminates amplification of non-specific products and primer-dimers. Ready-to-use buffered solution of ultrapure deoxynucleoside 5'-triphosphates, supplied as lithium salts solutions.

AMPLIFYME Probe One-Step

Universal and No-ROX versions

Fast, specific one-step Real-Time RT-PCR, giving consistent results across all commonly-used Real-Time PCR platforms. Optimized for multiplex detection. Mu-MLV Reverse Transcriptase, RNase Inhibitor, and ROX solution are included in separate tubes. **Reproducible and efficient first-strand cDNA synthesis and subsequent Real-Time PCR in a single tube.**

dNTPs MIX Available as 10, 40, 100 mM

Ready-to-use dNTPs MIX guarantees high amplification efficiency and prevents incorrect incorporation of dNTP in the synthesized DNA strand. Ready-to-use buffered solution of ultrapure deoxynucleoside 5'-triphosphates, supplied as lithium salts solutions.