

Gene Releaser®

Technical Bulletin

“Gene Releaser® has revolutionized the method by which we perform diagnostic PCR based tests for clinical use. For the past 4 years or so, we (NIH) have used Gene Releaser® exclusively in performing all of our clinical PCR tests. It has made it possible to perform tests on samples that would otherwise be difficult or impossible to use.” Dr. Lynn Sorbara, Staff Scientist, Molecular Diagnostics Unit for NIH.

Setting BioVentures Apart

GeneReleaser® is a five-minute protocol that provides PCR Ready DNA/RNA quickly, yielding faster, simpler and more reliable PCR results than other reagents and negates the need for purifying DNA/RNA.

GeneReleaser® is composed of proprietary polymeric materials. It quickly facilitates the release of DNA from cells in a form suitable for PCR amplification. GeneReleaser® also segregates inhibitors released during lysis, along with preservation agents that may interfere with amplification. Most critically, it consistently provides amplifiable nucleic acids from minute amounts of material, consequently conserving often precious or rare sample materials.

GeneReleaser® achieves lysis, releasing the DNA/RNA from the sample directly in the amplification tube on a thermocycler within minutes; this time frame can be shortened using the microwave protocol. Full protocols are available for DNA/RNA preparation from diverse types of samples, including:

Avian Viruses
Buccal Cells
HIV/WBC
Mouse Tail
Mycobacterium Tuberculosis
Paraffin Embedded Tissue
Plant Tissue
Reverse Transcriptase
Semen/Sperm
Soil or Sea Sediment
Whole Tissue
Yeast

Top Features of GeneReleaser®

- Our longtime customers tell us their favorite feature of GeneReleaser® is its ability to perform “one tube” extractions. This is carried out by placing the experimental sample in an amplification tube, adding GeneReleaser®, following the thermocycler or microwave procedure, adding master mix, then amplifying the reaction in the same tube. “One tube” extraction saves time, reduces costs, and minimizes the possibility of contamination.
- Samples can be PCR ready in as little as 5 minutes using the microwave protocol and 10 minutes using the thermocycler protocol.
- GeneReleaser® ensures improved PCR sensitivity, allowing for use of samples as small as 1µl of blood, 1mm sections of tissue, and 5µl of serum.
- Simple GeneReleaser® protocol (See Figure 1).
- Cost effective and minimum “hands-on” time.

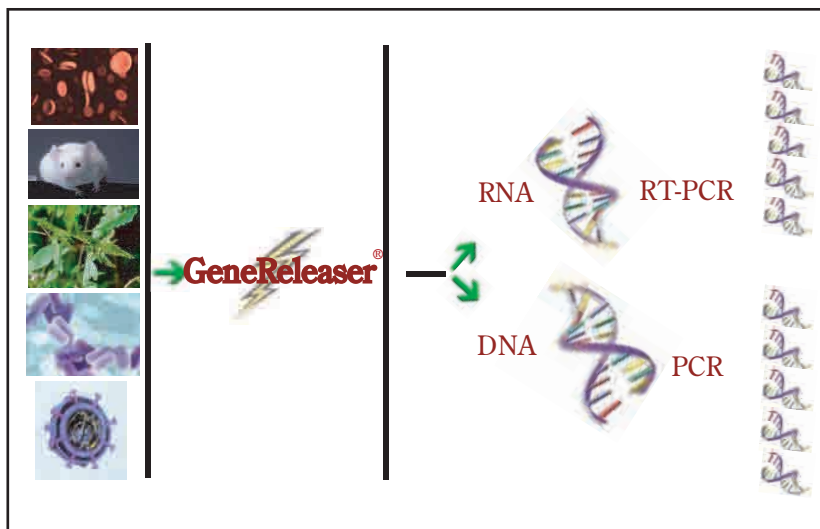


Figure 1: GeneReleaser® Protocol