



VitroSure™ RNase A (100mg/ml) for DNA Isolation

SKU: VB-5011

Description

VitroSure™ RNase A (100mg/ml) solution is a ready-to-use, high-purity ribonuclease A (RNase A) formulation optimized for the specific removal of RNA during DNA isolation procedures. It is particularly effective for genomic DNA extraction, where high-purity, RNA-free DNA is required for downstream applications such as sequencing, RT-qPCR, and droplet digital PCR (ddPCR).

Key Features

- Ready-to-Use: Provided as a stabilized solution for direct addition to lysis or resuspension buffers.
- DNA Specificity: Effectively degrades single-stranded RNA without affecting the integrity of double-stranded DNA.
- High Stability: Remains active across various pH ranges and is resistant to many common laboratory conditions.

Content

RNase A (100mg/ml) 1 ml

Storage

- Short-term: Store at 2–8°C for up to 6 months.
- Long-term: Store at -20°C for up to 24 months.
- Avoid repeated freeze-thaw cycles. Aliquoting upon first use is recommended to maintain enzyme potency.

Typical Procedures

1. Preparation: Follow your standard DNA isolation protocol (refer to the user manuals for VB-5001, VB-5003, VB-5004, or VB-5006).
2. RNase Treatment: Add VitroSure™ RNase A (100mg/ml) solution directly to the cell lysate.
3. Incubation: Mix thoroughly and incubate at room temperature to ensure complete RNA digestion.
4. Downstream Processing: Proceed with DNA binding, washing, and elution as per your specific kit's instructions.

Note: This product is intended for research purposes only. This product is **not** intended to be used for therapeutic or diagnostic purposes in humans or animals.

Precautions: Handle with care. Avoid contact with eyes, skin, and clothing. Do not ingest. Wear gloves.