

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution

Instructions for Use (IFU)

Release Date— 01.12.2021



NGP003- 100 ml

To protect deoxyribonucleic acid and ribonucleic acid in blood and liquid samples.

It is for research purposes only.

Not suitable for diagnostic use.
For professional use only.

Summary and Principles

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution is designed for the immediate preservation of cellular RNA in either human or animal blood and liquid samples at room temperature until purification and downstream analysis can be completed. High yields of highquality RNA with unaltered gene expression are obtained for use in a wide range of downstream molecular diagnostic applications

Reagent

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution contains a 100mL special formula to be mixed with fresh whole blood or liquid samples for cell RNA stabilization.

Precautions

1. For Research Use Only. Not for Use in Diagnostic Procedures.
2. Practice Universal Precautions when handling this product.
3. Avoid skin contact with NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution.
4. Do not use after expiration date printed on box.

Caution

Contents of this reagent may cause irritation to eyes, respiratory system and skin.

1. If accidental inhalation occurs, supply fresh air and seek medical advice in case of complaints.
2. In case of skin contact, immediately wash with water and soap and rinse thoroughly.
3. In case of eye contact, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
4. If accidental swallowing occurs, immediately seek medical advice.
5. Refer to SDS in case of accidental ingestion or skin contact. Please contact us for all SDS information.

Storage and Stability

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution Before Mixing Blood and Liquid Specimens:

1. Store NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution at 4 ° C to 25 ° C until the end of shelf life.
2. Immediately close the cap of the reagent bottle when not in use.

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution after mixing with blood or liquid samples:

1. Store at room temperature (18-25 ° C) for RNA 14 days, DNA 6 months.
2. Store at 2-8 ° C for up to for RNA 1 month, DNA 1 year.
3. For longer storage times, refer to the procedure of Freeze and Thaw Samples.

Instructions For Use

A. Blood / Liquid Specimens DNA / RNA Stabilizer Solution Mixing Procedure with Blood or Liquid Samples:

1. Add whole blood or liquid sample to a sterile tube.
2. Add NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution up to 0.7 times (v / v) on the blood or liquid sample.

Note: The tubes that can be used in this procedure include: VACUETTE® blood collection tubes, microfuge tubes and larger tubes (eg, Falcon™ tubes).

2. Immediately mix by gently inverting at least 10 times.
3. The RNA in your samples after mixing keeps the stability at room temperature for 14 days and the DNA for 6 months.

B. Procedure for Freezing and Solving Protected Samples:

Freezing

1. Store blood or liquid-reactive mixture at room temperature for at least 2 hours before storage at low temperatures.
2. For storage below -20 ° C, transfer the samples to the cryovials, freeze at first for 24 hours at -20 ° C and then at -70 ° C or -80 ° C.

Thaw

1. Dissolve protected samples at NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution for at least 2 hours at room temperature (18-25 ° C).
2. Gently invert the thawed tubes five times.

C. Procedure for Specimen Processing for Analysis

1. Transfer as much as you want from the specimen stored with protective fluid to a sterile tube.
2. Centrifuge at 5000 xg for 10 minutes by placing the tube in the centrifuge.
3. Carefully discard the supernatant portion at the end of the centrifugation, and the underlying pellet contains nucleic acids.

Limitation

NucleoGene Blood & Liquid Specimens DNA / RNA Stabilizer Solution, Research Only Designed for use in protecting cellular DNA and RNA from whole blood and body fluids. It is not intended for the purification of genomic DNA or viral nucleic acids for diagnostic purposes from human whole blood.



E-mail: info@nucleogene.com

Web: www.nucleogene.com