

Blood DNA Preservation Buffer (3X)

Product #: 29111 & 29112

Product Insert

Norgen's Blood DNA Preservation Buffer provides a rapid and simple procedure for the preservation and shipping of blood samples at ambient temperature.

INTENDED USE

Norgen's Blood DNA Preservation Buffer is a 3X aqueous storage buffer designed for rapid cellular lysis and subsequent preservation of DNA from fresh blood samples. The buffer prevents the growth of Gram-negative and Gram-positive bacteria and fungi, and also inactivates viruses allowing the resulting non-infectious samples to be handled and shipped safely. In addition, the buffer eliminates the need to immediately process or freeze samples and allows the samples to be shipped to centralized testing facilities at ambient temperature. The components of the buffer allow samples to be stored for one week under conditions where DNA degradation would occur normally. The buffer is intended to be used in clinical laboratories with the ability to preserve samples for use in downstream diagnostic assays.

NUCLEIC ACID ISOLATION FROM PRESERVATIVE

The preservation buffer is compatible with most DNA isolation methods. Samples stored in the Blood DNA Preservation Buffer have been used successfully with all of Norgen Biotek's DNA isolation kits and reagents.

SHELF LIFE AND HANDLING

- All solutions should be kept tightly sealed and stored at room temperature (15 – 25 °C) for up to 1 year without any reduction in kit performance.
- If any precipitation of the preservative is observed, heat to 37 °C to redissolve
- Do not use the buffer past the expiration date.
- The buffer is stable through the end of the expiration month indicated on the packaging label when stored at the recommended temperatures.

QUALITY CONTROL

In accordance with Norgen's Quality Management System, Norgen's Blood DNA Preservation Buffer is designed for general laboratory purposes as well as clinical sample collection. The Preservation Buffer undergoes quality assurance testing to verify that its composition does not vary from lot to lot.

WARNINGS AND PRECAUTIONS

1. Follow universal precautions. All patient specimens should be considered as potentially infectious and handled accordingly.
2. Wear personal protective equipment, including gloves and lab coats when handling kit reagents. Wash hands thoroughly when finished performing the procedures.
3. Do not smoke, drink or eat in areas where kit reagents and/or human specimens are being used.
4. Dispose of unused kit reagents and human specimens according to local, provincial or federal regulations.
5. As contamination of patient specimens or reagents can produce erroneous results, it is essential to use aseptic techniques.
6. Only use the protocol provided in this insert. Alterations to the protocol and deviations from the times and temperatures specified may lead to erroneous results.
7. For more information, please consult the appropriate Material Safety Data Sheets (MSDSs). These are available as convenient PDF files online at www.norgenbiotek.com.

INSTRUCTIONS FOR USE

- 1) Norgen's Blood DNA Preservation Buffer is a 3X solution. One volume of the buffer is added to each two volumes of fresh blood followed by mixing by inversion ten times.
- 2) Specimens may be held or shipped to the testing laboratory at ambient temperature for up to 14 days. Specimens held longer should be kept at -20°C or lower until testing.
- 3) Storage at -20°C or lower is recommended for archival samples and will provide optimal preservation. The preservation buffer will freeze at -20°C. Samples can be stored indefinitely at -80°C.
- 4) Samples can be stored at room temperature (25°C) for up to two week without significant loss of DNA quality.
- 5) DNA has also been successfully isolated from samples stored at 37°C for one week.

Note:

To isolate blood DNA preserved in Norgen's Blood DNA Preservation Buffer we recommend the use of Norgen's Blood Genomic DNA Isolation Micro Kit (Cat# 18200), Blood Genomic DNA Isolation Mini Kit (Cat# 31000), Blood Genomic DNA Isolation Midi Kit (Cat# 31100) or Blood Genomic DNA Isolation Maxi Kit (Cat# 31200). When performing the isolation using these kits, add the Proteinase K but exclude the addition of the Lysis Solution. Proceed to the 55°C incubation step, and then follow the procedure as written.

Related Products	Product #
Blood Genomic DNA Isolation Micro Kit	18200
Blood Genomic DNA Isolation Mini Kit	31000
Blood Genomic DNA Isolation Midi Kit	31100
Blood Genomic DNA Isolation Maxi Kit	31200

Product Warranty and Satisfaction Guarantee

NORGEN BIOTEK CORPORATION guarantees the performance of all products in the manner described in our product manual. The customer must determine the suitability of the product for its particular use. We reserve the right to change, alter, or modify any product to enhance its performance and design.

Technical Assistance

NORGEN's Technical Service Department is staffed by experienced scientists with extensive practical and theoretical expertise in sample and assay technologies and the use of NORGEN products. If you have any questions or experience any difficulties regarding Norgen's Blood DNA Preservation Buffer or NORGEN products in general, please do not hesitate to contact us.

NORGEN customers are a valuable source of information regarding advanced or specialized uses of our products. This information is helpful to other scientists as well as to the researchers at NORGEN. We therefore encourage you to contact us if you have any suggestions about product performance or new applications and techniques.

For technical assistance and more information, please contact our Technical Support Team between the hours of 8:30 and 5:30 (Eastern Standard Time) at (905) 227-8848 or Toll Free at 1-866-667-4362 or call one of the NORGEN local distributors (www.norgenbiotek.com) or through email at techsupport@norgenbiotek.com.

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