

Buccal DNA Collection and Preservation Kit Product # 33900

Product Insert

Norgen's Buccal DNA Collection and Preservation Kit provides a rapid and simple procedure for the collection, preservation and shipping of DNA from buccal swabs.

INTENDED USE

Norgen's Buccal DNA Collection and Preservation Kit consists of 2 components: (1) Buccal DNA Collection and Preservation Reagent contained within tubes, and (2) sterile polyester-tipped applicators for swab collection. Buccal swabs are collected using the provided applicator, and the samples are then transferred into the Buccal DNA Collection and Preservation Reagent. The reagent is an aqueous storage buffer designed for rapid cellular lysis and subsequent preservation of nucleic acids from fresh specimens. 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 two week under conditions where DNA degradation would occur normally. The kit 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 Buccal DNA Collection and Preservation Reagent have been used successfully with all of Norgen Biotek's DNA isolation kits and reagents.

The kit is designed to process 25 samples.

Kit Components:

Component	Contents
Buccal DNA Collection and Preservation Reagent	25 tubes (400 μ L each)
Sterile polyester tipped applicator	25
Zip-lock bag	25
Label sheet	1
Product insert	1

MATERIALS REQUIRED BUT NOT SUPPLIED

- Disposable latex gloves
- Mask
- Eye protection
- Scissors

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 in the tubes, heat to 37°C to redissolve
- Do not use kit or reagents past their expiration dates.
- Kit reagents are 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, each of Norgen's Buccal DNA Collection and Preservation Kits 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) Prepare equipment and explain procedure to patient.
- 2) Wash hands and put on protective mask, eyewear and gloves.
- 3) Stand to the side of the patient. Ensure the patient's head is back at a 45 degree angle.
- 4) Place your hand on the patient's forehead (non-dominant hand).
- 5) Ask the patient to open their mouth wide.
- 6) Use one of the provided swabs and insert into mouth.
- 7) Place lateral pressure on swab in order to collect cells from the buccal wall (cheek)
- 8) Vigorously rub the swab on the inside of one cheek ten times.
- 9) Remove cap from the tube containing the Buccal DNA Collection and Preservation Reagent, slowly remove swab from patient's mouth and insert swab into tube. Break off the end of the swab using scissors and recap the tube tightly, and vortex for 10 seconds.
- 10) Use the provided labels to label the tube with the patient's ID, collection date and hospital (or clinic) information. Place the tube into a provided zip-lock specimen bag.
- 11) Remove gloves, wash hands thoroughly and then remove protective eyewear and mask. Wash hands again. Gloves and mask should be discarded in appropriate waste container. Protective eyewear should be wiped down with an alcohol wipe and allowed to air dry, at which time it can be stored for future use.
- 12) Specimens should be held at room temperature until transport. 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.

STORAGE IN PRESERVATION BUFFER

- 1) Storage at -20°C is recommended for archival samples and will provide optimal preservation. The preservation buffer will freeze at -20°C. Samples can be stored indefinitely at -70°C.
- 2) Samples can be stored at room temperature (25°C) for up to 2 week without significant loss of DNA quality.
- 3) DNA has also been successfully isolated from samples stored at 37°C 1 for one week.

Related Products	Product #
Saliva DNA Isolation Kit	21410
Taq DNA Polymerase with 10X Taq Reaction Buffer Plus	28089
2X PCR Master Mix	28007
2X SYBR Green/Fluorescein qPCR Master Mix	28111

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 Buccal DNA Collection and Preservation Kit 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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