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Saliva RNA Collection and Preservation Devices (50) Product Insert
Product #: RU53800

Norgen's Saliva RNA Collection and Preservation Devices provide a safe and rapid all-in-one procedure for the collection and preservation of Saliva RNA at ambient temperatures.

INTENDED USE
Norgen's Saliva RNA Collection and Preservation Devices are designed for 1) simple and non-invasive saliva collection and 2) preservation of RNA in saliva samples at ambient temperature. Each of the 50 Saliva RNA Collection and Preservation Devices consists of 3 components: (1) Saliva Collection Funnel and Collection Tube, (2) Collection Tube Cap, and (3) Norgen's Saliva RNA Preservative contained within a sealed squeezable ampoule. Saliva samples are collected by spitting inside the Collection Funnel which has been assembled with the Collection Tube. After collecting the required volume of saliva the Collection Funnel is removed and the contents of the Preservative Ampoule are then added and mixed with the collected saliva. The Saliva Collection Tube is subsequently sent to the laboratory for RNA isolation and analysis. RNA can be isolated from the preserved saliva samples using Norgen's Saliva/Swab RNA Purification Kits (Cat# 69100, 69300). Each of Norgen's Collection Tubes is labeled with a unique serial number that can be used for secure and anonymous tracking of the sample. The Saliva RNA in preserved samples is stable for up to 2 months at room temperature. This kit is ideal for collecting and preserving RNA samples for epidemiological and population studies.

SALIVA RNA PRESERVATIVE
Norgen's Saliva RNA Preservative is an aqueous storage buffer designed for rapid cellular lysis and subsequent preservation of RNA from fresh specimens. 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 up to 2 months at room temperature.

NUCLEIC ACID ISOLATION FROM PRESERVATIVE
Saliva RNA can be isolated from the preserved saliva samples using Norgen's Saliva/Swab RNA Purification Kits (Cat# 69100, 69300).

Saliva RNA Collection, Preservation and Isolation Kit Contents:

Component	Contents
Individual Saliva RNA Collection and Preservation Device	50
Product Insert	1
Donor Procedure Flowchart	1

Individual Saliva RNA Collection and Preservation Device Contents:

Component	Contents
Saliva Collection Funnel and Collection Tube	1
Collection Tube Cap	1
Preservative Ampoule	1
Donor Instructions	1

Kit Specifications	
Volume of Saliva Collected	2 mL
Volume of Saliva-Preservative Mix	4 mL
Preservation Temperature	Room temperature
Preservation Time	Up to 2 months at room temperature

SHELF LIFE AND HANDLING

- The **Collection Device** should be kept tightly sealed and stored at room temperature for up to 2 years without any reduction in kit performance (The collection due date is written on the device label).
- Once collected, saliva RNA is stable for up to 2 months when kept tightly sealed and stored at room temperature.
- The Collection Tube, the Collection Funnel and the Device Container of each Individual Saliva RNA Collection and Preservation Device are recyclable.

QUALITY CONTROL

In accordance with Norgen's Quality Management System, each lot of Norgen's Saliva RNA Collection and Preservation Devices are tested against predetermined specifications to ensure consistent product quality.

Disclaimers and Satisfaction Guarantee

This kit is designed for research purposes only. It is not intended for diagnostic use.

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.

WARNINGS AND PRECAUTIONS

1. If any of the Saliva RNA Preservative comes into contact with skin or eyes, wash thoroughly with water. Do not ingest the Saliva RNA Preservative.
2. The collection device contains a choking hazard (Collection Tube Cap). Keep away from children.
3. Collection of saliva from children must be supervised by an adult.
4. The Saliva RNA Preservative and preserved saliva samples will form reactive compounds when combined with bleach, thus care must be taken to properly dispose of any spilled preservative or remaining samples.

Procedures

A. SAMPLE COLLECTION AND PRESERVATION PROCEDURES

1. Do not eat, chew gum, drink or smoke for 30 minutes prior to saliva collection.
2. Rinse your mouth with water and wait for 10 minutes.
3. Spit into the **Collection Funnel** until the amount of liquid saliva (not including bubbles) in the **Collection Tube** reaches the 2 mL line. Discard / recycle the Collection Funnel.
4. Twist and remove the tip of the **Preservative Ampoule**.
5. Squeeze the **Preservative Ampoule** to empty the contents into the **Collection Tube**. Screw on the cap of the **Collection Tube** to close it tightly.
6. Shake the **Collection Tube** well for 10 seconds to mix saliva and preservative.
7. The saliva sample is now preserved and ready for storage, shipping or processing.

   Note: Each of Norgen's Collection Tubes is labeled with a unique serial number that can be used for secure and anonymous tracking of the sample.

8. Dispose of the **Preservation Ampoule** and tip in the garbage. The plastic device container can be recycled.

B. INSTRUCTIONS FOR STORAGE OF PRESERVED SALIVA SAMPLES

Preserved saliva samples can be stored at room temperature for up to 2 months without significant loss of RNA quality.

ISOLATION OF SALIVA RNA FROM PRESERVED SALIVA SAMPLES

Norgen's Saliva/Swab RNA Purification Kits (Cat# 69100, 69300) are recommended for the isolation of RNA from the preserved samples. Purification is based on spin column chromatography using Norgen's proprietary resin as the separation matrix. The purified RNA is of the highest integrity, and can be used in a number of downstream applications including PCR, NGS and microarray analysis.

Norgen's Saliva RNA Collection and Preservation Devices are also compatible with other RNA isolation methods including Qiagen's RNeasy Micro Kit (50) (Cat#74004), Zymo's Quick-DNA/RNA Viral MagBead (Cat#. R2140) and ThermoFisher Scientific's MagMAX™ mirVana™ Total RNA Isolation Kit (Cat# A27828). Additionally, Norgen's Total RNA Purification Kit (Cat# 17200) can also be used to isolate RNA from the preserved samples using a supplementary protocol. For the best quality and yield of RNA we highly recommend Norgens' Saliva/Swab RNA Purification Kits.

Related Products	Product #
Shipping Accessories – 50 Mailers	38300
Saliva/Swab RNA Purification Kit	69100
Saliva/Swab RNA Purification 96-Well Kit	69300
Total RNA Purification Kit	17200

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 Saliva RNA Collection and Preservation Devices 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 9:00 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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