

**Saliva DNA Collection and Preservation Devices (50)  
 Product #: RU49000**

**Product Insert**

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

**INTENDED USE**

Norgen’s Saliva DNA Collection and Preservation Devices are designed for 1) simple and non-invasive saliva collection and 2) preservation of DNA in saliva samples at ambient temperature. Each of the 50 Saliva DNA Collection and Preservation Devices consists of 3 components: (1) Saliva Collection Funnel and Collection Tube, (2) Collection Tube Cap, and (3) Norgen’s Saliva DNA 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 DNA isolation and analysis. DNA can be isolated from the preserved saliva samples using Norgen’s Saliva DNA Isolation Kit (Cat# RU45400). 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 DNA in preserved samples is stable for more than 5 years at room temperature. This kit is ideal for collecting and preserving DNA samples for epidemiological and population studies.

**SALIVA DNA PRESERVATIVE**

Norgen’s Saliva DNA Preservative is an aqueous storage buffer designed for rapid cellular lysis and subsequent preservation of DNA 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 more than 5 years without any detectable DNA degradation.

**NUCLEIC ACID ISOLATION FROM PRESERVATIVE**

Saliva DNA can be isolated from the preserved saliva samples using Norgen’s spin-column based Saliva DNA Isolation Kit (Cat# RU45400). Also, these devices can be purchased with reagents to allow for optimized isolation of the preserved DNA using an alcohol precipitation method (Norgen’s Saliva DNA Collection, Preservation and Isolation Kit, Cat# RU35700).

**Saliva DNA Collection, Preservation and Isolation Kit Contents:**

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

**Individual Saliva DNA 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	Over 5 years at room temperature

### SHELF LIFE AND HANDLING

- The **Collection Device** should be kept tightly sealed and stored at room temperature for up to 3 years without any reduction in kit performance (The collection due date is written on the device label).
- Once collected, saliva is stable for more than 5 years when kept tightly sealed and stored at room temperature.
- The Collection Tube, the Collection Funnel and the Device Container of each Individual Saliva DNA Collection and Preservation Device are recyclable.

### QUALITY CONTROL

In accordance with Norgen's Quality Management System, each lot of Norgen's Saliva DNA 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 DNA Preservative comes into contact with skin or eyes, wash thoroughly with water. Do not ingest the Saliva DNA Preservative.
2. The collection device contains a choking hazard (Collection Tube Cap). Keep away from children.

## 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

1. Preserved saliva samples can be stored at room temperature for more than 5 years without significant loss of DNA quality.

## ISOLATION OF SALIVA DNA FROM PRESERVED SALIVA SAMPLES

The use of Norgen's Saliva DNA Isolation Kit (Cat# RU45400) is recommended for the fast and simple isolation of genomic DNA from the preserved samples. The purification is based on spin-column chromatography, and the purified DNA is of the highest quality and can be used in a number of downstream applications including PCR, Southern Blot analysis, sequencing and microarray analysis.

Related Products	Product #
Shipping Accessories – 50 Mailers	38300
Saliva DNA Isolation Kit	RU45400
Saliva DNA Collection, Preservation and Isolation Kit – 50 Individual Devices	RU35700

### 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 DNA 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 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](http://www.norgenbiotek.com)) or through email at [techsupport@norgenbiotek.com](mailto:techsupport@norgenbiotek.com)

3430 Schmon Parkway, Thorold, ON Canada L2V 4Y6  
Phone: (905) 227-8848  
Fax: (905) 227-1061  
Toll Free in North America: 1-866-667-4362