

## Urine Collection and Preservation Tubes (5 cc) Product Insert

Product # 18116, 18118

Norgen's Urine Collection and Preservation Tubes provide a rapid and simple method for the collection, preservation and shipping of urine samples.

### INTENDED USE:

Norgen's Urine Collection and Preservation Tubes are designed for the rapid preservation of nucleic acids and proteins from fresh urine specimens. The Urine Collection and Preservation Tubes contain Norgen's Urine Preservative in a dried format. The user simply collects urine into the tubes and mixes gently until the orange preservative pellet in the tube has dissolved. The Urine Preservative 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 Urine Preservative eliminates the need to immediately process or freeze samples and allows the samples to be shipped to centralized testing facilities at ambient temperatures. The components of the Urine Preservative allow samples to be stored for over 2 years at room temperature with no detected degradation of urine DNA, RNA or proteins.

### NUCLEIC ACID ISOLATION FROM PRESERVATIVE

Urine samples collected and preserved in Norgen's Urine Collection and Preservation Tubes are compatible with most DNA and RNA isolation methods. Samples stored in the tubes have been used successfully with all of Norgen Biotek's urine-based DNA, RNA and protein isolation kits and reagents.

### Specifications

Kit Specifications	
Minimum Urine Input	1 mL
Maximum Urine Input	5 mL
Stability of DNA, RNA, Proteins at Room Temperature	Over 2 years

### Advantages

- No need to immediately process samples
- Nucleic acid and protein preservation at room temperature for over 2 years
- Ship urine samples at room temperature safely
- Compatible with most DNA/RNA/Protein isolation methods

### Kit Components

Component	Product # 18116	Product # 18118
Urine Collection and Preservation Tubes	1	50
ID Labels	1	50
Product Insert	1	1

### **Storage Conditions and Product Stability**

All tubes should be kept tightly sealed and stored at room temperature (15 – 25 °C) for up to 1 year without any reduction in performance.

### **Quality Control**

In accordance with Norgen's Quality Management System, Norgen's Urine Collection and Preservation Tubes are designed for general laboratory purposes as well as clinical sample collection. The tubes undergo quality assurance testing to verify that performance does not vary from lot to lot.

## **Procedure**

### **Notes Prior to Use**

- Urine of all human and animal subjects is considered potentially infectious. All necessary precautions recommended by the appropriate authorities in the country of use should be taken when working with urine.
  - Dispose of human specimens according to local, provincial or federal regulations.
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1. Collect midstream urine into a sterile container (not provided). First flow urine is not recommended for collection. Transfer 1 - 5 mL of collected urine into the Urine Collection and Preservation Tube.
  2. Once the urine has been transferred into the tube screw the cap tightly back onto the tube.
  3. Invert the tube gently several times until the orange pellet present at the bottom has dissolved.
  4. Fill in any required information on the provided ID Labels and affix to the Urine Collection and Preservation Tube.
  5. Store or ship the urine at room temperature.
  6. RNA, DNA and proteins can be purified from the preserved urine sample using a number of different methods, including Norgen's urine-based sample preparation kits.

### **Technical Support**

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.

Technical support can also be obtained from our website ([www.norgenbiotek.com](http://www.norgenbiotek.com)) or through email at [techsupport@norgenbiotek.com](mailto:techsupport@norgenbiotek.com).

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