

Urine RNA Concentration, Preservation and Isolation Kit

Norgen's Urine RNA Concentration, Preservation and Isolation Kit is an all-in-one solution designed for 1) rapid and simple urine concentration; 2) preservation of RNA in urine samples at ambient temperature and 3) isolation of high quality RNA within a laboratory setting. The Urine RNA Concentration, Preservation and Isolation Kit contains 25 Individual Urine Concentration and Preservation Devices, as well as the required reagents for the subsequent laboratory isolation of the urine RNA from the preserved concentrated samples. Each of the 25 Individualized Urine Concentration and Preservation Kits consist of 2 key components: (1) a Urine Concentration Tube, (2) Norgen's Urine Preserva-



tive contained within sealed squeezable tubes. The urine RNA in preserved samples is stable for more than 2 years at room temperature. This kit is ideal for concentrating, preserving and isolating RNA samples for epidemiological and population studies.

Kit Specifications			
Volume of Urine Processed	30 mL	Time to Complete RNA Isolation	30 minutes
Preservation Temperature Range	-20°C to 50°C	Average Yield from 30 mL*	22 ng / μ L
Preservation Time	Over 2 years at room temperature	Average OD 260/280	1.7

* Average RNA yield will vary depending on the health status of the donor

Urine RNA Concentration, Preservation and Isolation Kit Benefits

Convenient all-in-one kit	Urine sample concentration, preservation and RNA isolation all with one convenient, affordable kit.
DNA is stable for years at room temperature	Urine RNA concentrated and preserved with Norgen's Urine Preservative is stable at room temperature for over 2 years, thereby reducing storage costs associated with fridges and freezers.
Samples are non-infectious	The provided Urine Preservative is designed to prevent 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.
Shipping accessories also available	Norgen can also provide you with the necessary accessories to allow for safe and convenient shipping of the preserved samples from the individual donors back to the lab for analysis (Cat# 38300).
High quality RNA	Removal of highly concentrated salts, metabolic wastes and proteins provides high quality, concentrated RNA to be used in various downstream applications.

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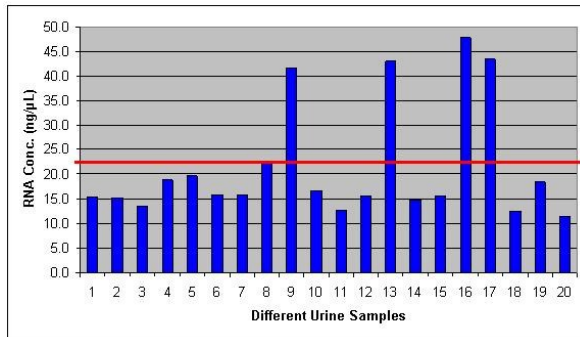


Figure 2. High Concentration of Urine RNA. Twenty different urine samples were collected, concentrated and preserved using Norgen's Urine RNA Concentration, Preservation and Isolation Kit, and were stored at room temperature for 1 day. RNA was subsequently purified according to the provided protocol and eluted into 150 μ L, and the RNA concentration was determined using a NanoVue Plus™ (GE Healthcare). The total average urine RNA concentration from the 20 different urine samples processed using Norgen's kit was 22 ng/ μ L. Figure 2 shows the RNA concentration from the 20 different 30 mL concentrated and preserved urine samples.

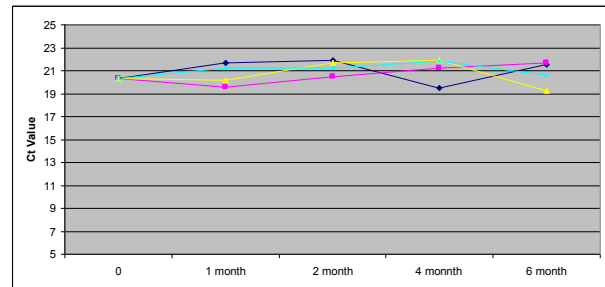


Figure 1. Stability of RNA in Norgen's Urine Preservative. Urine samples were collected from numerous donors and pooled, and then the urine was aliquoted into 30 mL samples and concentrated as per the provided protocol. Urine RNA was subsequently isolated at time 0, 1 month, 2 months, 4 months and 6 months from the concentrated and preserved urine sample. As it can be seen, all the RNA samples were successfully amplified. Furthermore, the quality of the concentrated and preserved urine RNA stored at all 4 temperatures did not change from 0 months to 6 months, as indicated by the fact that the Ct value remained consistent.

Urine RNA Concentration, Preservation and Isolation Kit Contents:

1. Individual Urine Concentration and Preservation Devices
2. Lysis Buffer A
3. Wash Solution A
4. Elution Solution A
5. Mini-Filter Columns
6. Collection Tubes
7. Elution Tubes (1.7mL)
8. Product Insert

Individual Urine Concentration and Preservation Device Contents:

1. Urine Concentration Tube
2. Urine Preservative within Sealed Ampules
3. Absorbent Pad
4. ID Label
5. Donor Instructions

Cat #	Description	Quantity
38100	Urine RNA Concentration, Preservation and Isolation Kit - 25 Individual Devices	25 preps