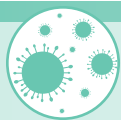


Urine Exosome RNA Extraction

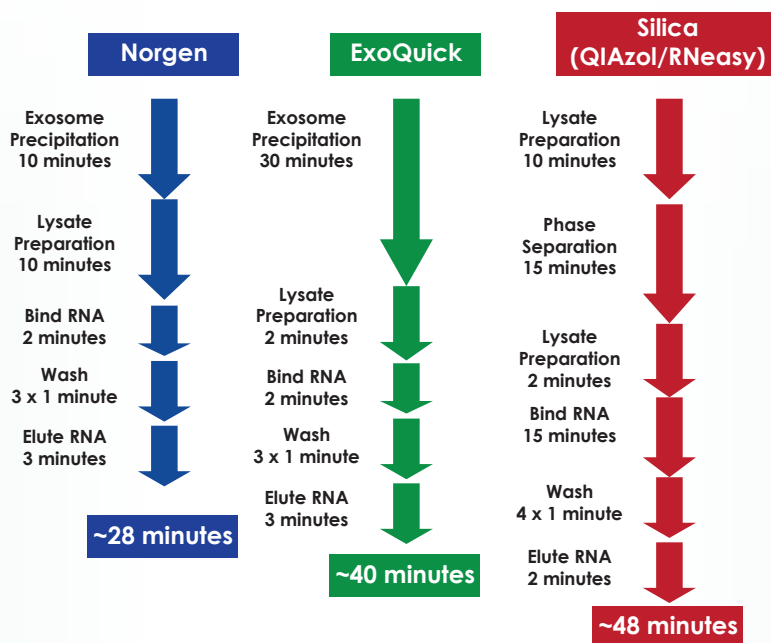


Extract exosomes from urine in a rapid spin-column format



- ✓ Isolate urine exosomal RNA from 1 mL to 10 mL of urine samples
- ✓ Rapid spin-column format allows for the processing of multiple samples in under 30 minutes
- ✓ Isolate inhibitor-free urinary microRNA

Ease of Use: Fewer steps, less than 30 minutes



Quantity: Proportional input volume

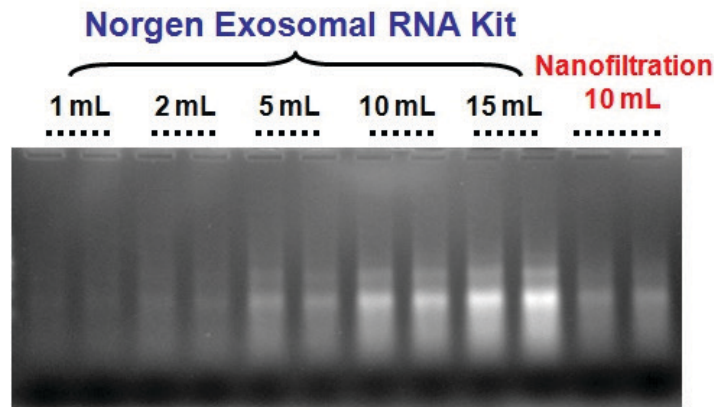


Figure 1. Isolation of Urine Exosomal RNA from Different Urine Volumes. Norgen's Urine Exosome RNA Isolation Kit was used to isolate urine exosomal RNA from different urine volumes ranging from 1 – 15 mL, and the yield of RNA obtained was compared to the conventional Nanofiltration method. Norgen's Urine Exosome RNA Isolation Kit procedure showed a linear increase in the RNA yield with an increase in urine volume processed. Furthermore, when isolating exosomal RNA from 10 mL of urine using Norgen's kit and the conventional Nanofiltration method, Norgen's Urine Exosome RNA Isolation Kit showed a higher yield.

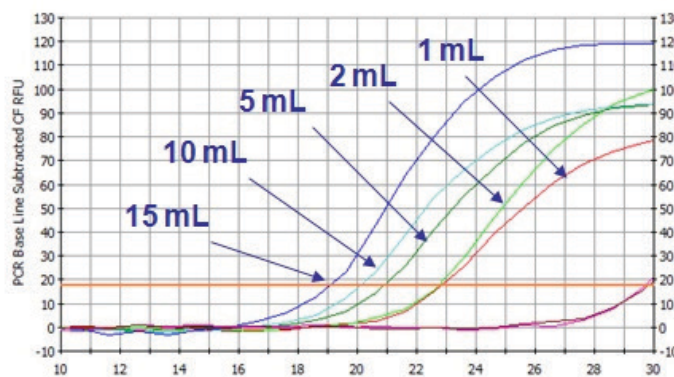


Figure 2. Detection of Urine Exosomal RNA Isolated from Different Urine Volumes. Norgen's Urine Exosome RNA Isolation Kit was used to isolate Urine Exosomal RNA from different urine volumes ranging from 1 – 15 mL Urine. The purified urine exosomal RNA was then used as the template in an RT-qPCR reaction to detect the human 5S gene. Three microlitres of the isolated urine exosomal RNA was used as the template in the RT step, and 3 μ L from the RT step was used in the qPCR reaction. As it can be seen, the qPCR was able to successfully detect and amplify the 5S gene from RNA isolated from different urine volumes, indicating the high quality of the isolated urine exosomal RNA.

Ordering information

Description	Size	Cat. Number
Urine Exosome RNA Isolation Kit	50 preps	47200

v7.0

