

Urine Conservation Medium (UCM)

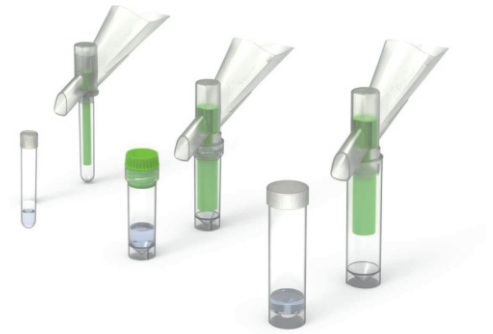
A validated preservative for urinary HPV and human DNA



COLLI-PEE®

Colli-Pee® is a urine collection device that can be used by men and women for standardized and volumetric collection of first-void urine. The platform consists of variants capturing a range of urine volumes (4 mL to 45 mL) for different application purposes.*

The device architecture also enables immediate mixing of urine and preservative for adequate stability during transport, storage and processing.



URINE CONSERVATION MEDIUM (UCM)

- Specifically designed for urine samples
- Non-toxic (suitable for home collection)
- Non-lytic
- 1:3 Preservative to sample ratio for optimal performance

UCM prevents degradation of HPV DNA. After 7 days of storage at room temperature, HPV16 was detected in all samples spiked with 1000 copies/ μ L of HPV16 plasmids where UCM was added, and only in 25% of the unpreserved samples.

Storage & transport conditions

- Tubes with UCM before urine collection
 - Colli-Pee® with 20 mL tubes: 24 months
 - Colli-Pee® with 10 mL tubes: 24 months
- Tubes with UCM after FVU collection
 - Short-term storage at room temperature: 7 days
 - Mid-term storage at -20°C: 7 to 90 days
 - Long-term storage at -80°C: Aliquoted into cryovials for up to 12 months
- FVU collected in the Colli-Pee® device prefilled with UCM can be transported by postal mail at room temperature.



Clinical applications

Proof of concept studies with commercially available diagnostic (high throughput and genotyping) assays confirm HPV DNA detection in first-void urine collected with Colli-Pee® and stabilized with UCM is feasible and compatible with the assay chemistry.

Check our proof of concept studies

Vorsters et al¹ showed that the number of HPV DNA and hDNA copies detected after various extraction methods in urine with and without UCM was significantly different ($P < 0.001$).

HOME SAMPLING

Novosanis has developed a Colli-Pee postal kit, that can include the device for collection and methods for safe storage and transport of the sample.

A full standard Postal Kit is comprised of the following items:

- A rigid distribution envelope, used to distribute the Colli-Pee® and all the necessary accessories for sample return to the patient.
- A rigid envelope, used to return the collected sample to a clinical laboratory.
- A safety bag and absorbing tissue, used as a secondary container to prevent contamination of the return envelope, in case of any damage to the collection tube



*Some products are in development or not available in all geographic regions. Contact us to know the registration status in your region.

References: 1) <https://pubmed.ncbi.nlm.nih.gov/24916950/>