Our products

The Colli-Pee platform offers improved diagnostic accuracy and patient comfort. The platform consists of variants capturing a range of urine volumes (4 mL to 45 mL) for different application purposes.

Preservative for stabilization of urinary content

Colli-Pee Small volumes

To facilitate high-throughput screening, Novosanis developed Colli-Pee small volumes. The combination of the new funnel and standard 4 mL and 10 mL tubes allows immediate processing by fully automated systems. This avoids pre-analytical errors, reduces manual processing time and shortens the overall TAT.

Colli-Pee collector tubes can be pre-filled with a preservative for different urinary analytes, improving transport and storage of urine at room temperature.

Colli-Pee Large volumes

To fully support biomarker research, Novosanis developed a Colli-Pee variant that collects 45 mL instead of 20 mL. This addresses low biomarker concentrations and allows multi-omic testing.

If you want to stay up-to-date with the latest news from Novosanis, scan the QR code to opt-in.

novosanis

Novosanis, a wholly-owned subsidiary of OraSure Technologies, Inc. (NASDAQ: OSUR), is an innovative developer and producer of medical devices.

Novosanis prospers in user-friendly and game-changing medical devices meeting all regulatory and quality requirements for self-sampling solutions, which improves accuracy and standardization while making handling easier, more consistent and more comfortable for the user.

Colli-Pee® is a patented sampling device suited for standardized and volumetric collection of first-void urine.

References:
(1) Ducancelle A et al. J Infect. 2015 Sep. PubMed PMID: 25964233.
(2) Jordaens et al. 2019.
(3) Mehta et al. 2019.
(4) Pattyn J et al. J Virol Methods. 2019 Feb. PubMed PMID: 30452931.
(5) Theodorescu D et al. Proteomics Clin Appl. 2008 Mar. PubMed Central PMCID: PMC2744126

Why use urine

Increase participation in screening programs[1]

A promising liquid biopsy[2]

Suitable for home-based collection[3]

Identify specific biomarkers[2]

Why use first-void urine

Urine fractions are not the same. First-void urine, generally termed the first 5mL to 50mL of urine flow, contains higher concentrations of STI-related DNA than other fractions – for example, first-void urine contains more Human Papillomavirus (HPV) DNA than subsequent fractions[4]. Additionally, first-void urine is important to identify prostate cancer biomarkers[5].
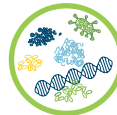
Why stabilize urine

Urine contains urea, nitrites as well as other unknown inhibitors of polymerase chain reaction (PCR), which can affect the quality of the sample at the point of collection and transport[3].

To broaden the scope of urine as a sample type and use it for various applications, methods to stabilize urine samples are necessary. Longer stability of urine through mixing with a preservative can have several advantages:

- In clinical practice, as samples are often collected at various sites and then sent to a laboratory for testing, a preservative can allow for transport at room temperature.

- In research studies analysing urine biomarkers, a preservative can allow for sample batching and facilitate large-scale recruitment.

Why use Colli-Pee®

Collecting a first-void urine sample with a standard urine cup can be awkward, messy and inconvenient for the user.

For this reason, Novosanis developed Colli-Pee®, a device that can be used by both men and women. Colli-Pee® allows for standardized, volumetric collection of the first fraction of urine. The device architecture also enables immediate mixing of urine and preservative for adequate stability.

USER FRIENDLY

STANDARDIZED SELF-SAMPLING

VOLUMETRIC COLLECTION

NON-INVASIVE

COMPATIBLE WITH HIGH-THROUGHPUT INSTRUMENTS

Why use Colli-Pee® for home-collection

Colli-Pee® is suited for urine collection at home and postal delivery, offering the opportunity to reach a wider population. At-home collection can improve patient flow, avoid unnecessary travel to the hospital, protecting the most vulnerable from an increased risk of infection.

The Colli-Pee® Postal Kit is an accessory to the Colli-Pee®, which aims to leverage postal services, for the distribution of the device to the patient and/or the return of the collected urine sample.