



PROCEDURE:	CYTOLOGY, URINE
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Medical supplies

- Regular sterile urine container (to urinate into);
- Sterile urine container containing 10 mL of Cytolyt™ solution (for specimen transport);
- Biohazard bag;
- Stability :
 - 8 days at room temperature 18 – 25 °C in the Cytolyt™¹ solution
 - 4 hours refrigerated² 2 – 8 °C for fresh urine samples

Preparation

- 1) A specimen for urine cytology may be taken at any time other than the first morning urine. This is because the cells deteriorate in the bladder during the night;
- 2) It is recommended to collect 3 samples from 3 consecutive days in order to obtain the best result;
- 3) It is important to have a ratio of 10 mL of Cytolyt solution for 30 mL of urine. Therefore, it is recommended to urinate into a sterile container first and then transfer 30 mL of urine into the container containing the Cytolyt™ solution;
- 4) For women: Advise your doctor if you are menstruating.

Collection

- 1) Wash your hands with soap and water;
- 2) Be sure to have a place where the specimens can be stored once collected;
- 3) Collect the specimen as follows:
 - Open the regular sterile urine container. It is the container with no liquid in it;
 - Start urinating in the toilet and then stop;
 - Urinate into the container (a volume of at least 30 mL is required);
 - Finish urinating in the toilet if necessary.
- 4) Transfer the required quantity into the container with the Cytolyt™ solution as follows:
 - Open the container containing the 10mL of Cytolyt™ solution;
 - Transfer 30 mL of urine into the container. The total volume in the container should not exceed 40 mL.
- 5) Close the container tightly and securely;
- 6) Identify the container:
 - First and last name;
 - Date of birth and/or Medicare number;
 - Date and time of collection.
- 7) Place the 3 samples into the biohazard bag and the requisition in the side pocket of the bag;
- 8) Send the 3 samples to the doctor or the laboratory as soon as possible.

¹ ThinPrep Processor Operator's manual, Cytyc Corporation, section 2, p.2.6.

² Transport et conservation des spécimens dans le domaine de la biologie médicale, OPTMQ, third edition, 2003, p.45