

Urine Collection Containers for both Clinical Biochemistry and Microbiology Samples

This document explains the correct use and disposal of urine collection containers supplied by Eastern Pathology Alliance (EPA). Proper use ensures accurate testing and safe handling.

This urine collection system is designed to be simple and efficient. A single container can be used to collect samples for both Clinical Biochemistry and Microbiology, allows preliminary dipstick testing in wards or clinics, and uses a vacuum-assisted transfer system that eliminates the need for decanting. The laboratory sample bottles are the same size as blood collection tubes, making them easy to store and handle.

Use of this system reduces sample handling within the laboratory, minimizing the risk of contamination, spillage, and errors.

The Urine System



The urine container (pictured) is provided as one larger container with a YELLOW screw top for collection of the sample by the patient. This container, which is common for the collection of samples from both Microbiology and Clinical Biochemistry, has an integrated transfer device in the lid.

Do not send collection cups for testing – transfer urine into green- or white-top monovettes.

There are separate secondary containers (Vacutest) for the Microbiology and Clinical Biochemistry samples to be transferred into using the transfer mechanism.

The colour of these lids varies depending on the test to be conducted – see reference table below:

Monovette tube image	Tube description	Use
 Do NOT use Lithium Heparin tubes.	GREEN LID MONOVETTE (9mL) containing boric acid preservative. Please ensure that the container is filled appropriately as the correct concentration of boric acid is based on a full sample.	MICROBIOLOGY – ADULTS ONLY <i>Used for:</i> Microscopy Culture and Sensitivity (MC+S)
	WHITE LID MONOVETTE Containing NO preservative. Please ensure the container is filled appropriately to ensure sufficient sample for testing.	CLINICAL BIOCHEMISTRY <i>Used for:</i> Microalbumin/Creatinine ratio Osmolarity Pregnancy Test Random U&E's Protein/Creatinine ratio

URINE CONTAINER WITH COLLECTION DEVICE – INSTRUCTIONS FOR USE



Clean hands thoroughly before use. Open cap by unscrewing anti-clockwise



Lay the cap upside down on a firm surface



Do not touch internal surfaces of the container and cap



Collect mid-stream urine, fill container to $\frac{3}{4}$ capacity



Turn cap tightly in a clockwise direction to seal

Surname _____
 Forename _____ M/F
 NHS No _____
 Spec _____ D.O.B. _____
 Date _____ Time _____

If giving to healthcare professional complete and attach label



Gently shake the sample



Partially raise the protective label (do NOT remove completely)



DO NOT PUT FINGER IN SAMPLING HOLE



Insert the tube. Gently apply pressure. Keep the tube in place until flow is complete



Label the sample tube with the patient's details



Remove the tube and dispose of container (see [Instructions for Disposal](#))

URINE CONTAINER –INSTRUCTIONS FOR DISPOSAL



Urine containers are disposable and are single use only. The container must be emptied when analysis is complete, prior to disposal.

Gloves must be worn for testing and disposal of urine.

1. Disposal of urine

Once sampling is complete urine must be disposed of in the sluice or toilet.

Under no circumstances should it be disposed of in a sink.

2. Disposal of the container (translucent part)

This should be disposed of in the clinical waste (orange) bag. **Under no circumstances should they be placed in any other waste stream.**

3. Disposal of the container lid (yellow part)

The lid contains a needle inside the protective sheath and therefore **MUST** be disposed of in a sharps container. This will fit into all sharps bins size 2.5 L and over but staff must ensure the bin is not overfilled. **Under no circumstances should they be placed in either clinical or domestic waste bags**



For any queries relating to the use or disposal of these items please contact:

Reenesh Prakash , EPA Network Microbiology Manager
01603 488502/ext. 4502

Myra del Rosario, Chief Biomedical Scientist, Clinical Biochemistry NNUH 01603
646545/ext. 6545