

Standard Operating Procedure (SOP) for
taking a catheter specimen of urine (CSU), (adult patients)

Document Details		
Title	Standard Operating Procedure (SOP) for taking a catheter specimen of urine (CSU), (adult patients)	
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1	Oct 2023	New Standard Operating Procedure

Standard Operating Procedure for taking a catheter specimen of urine (CSU), (adult patients)

- **Taking a CSU must be undertaken as a Standard Aseptic Non-Touch Technique (ANTT) procedure**
- **The urine sample must be taken from the sampling port on the drainage bag**
- **Do not take a CSU from the bottom of the drainage bag**
- **Do not undertake urinalysis on a catheterised patient to establish whether they have a urinary tract infection (UTI), as catheterised patients will be positive for nitrite and leucocytes whether they have a UTI, or not. Use UTI assessment form to establish whether they have a UTI**
- **Only take a CSU to determine urinary pH, glucose, blood, specific gravity, ketones, protein, if a CSU needs sending off for microscopy, culture and sensitivity (MC&S), or as part of a screening programme**

Equipment:

Single use plastic apron
 Non-sterile nitrile gloves
 Sterile 10ml slip tip syringe
 x2 70% alcohol wipe suitable for medical devices (2% Chlorhexidine in 70% Isopropyl alcohol)
 Scissor style clamp, for single patient use,
 Red topped (boric acid preservative) 10ml specimen container
 Laboratory request form
 Detergent wipe for decontaminating clamp

Check that all items are within their expiry date and that packaging is undamaged

Decontaminate hands, put on apron and gloves

Clamp catheter bag tubing, 2-3 inches below the sampling port, using the clamp

- The single patient use clamps for taking CSUs can be sourced through Oracle
- Patients in their own home require one clamp, which can be decontaminated and used multiple times throughout the patient's ongoing catheter care
- Patients in Community Hospitals, and residential care settings, require a new clamp at every care intervention

Decontaminate sampling port with an alcohol wipe, for 30 seconds contact time. Allow port to dry

Attach the syringe to the sampling port, and aspirate 10ml of urine

Remove syringe and decontaminate the sampling port with a new alcohol wipe, for 30 seconds contact time

Place urine in red topped specimen container, avoiding contact between the syringe and the container. Fill to the line marked on the container. Replace the lid and tighten firmly

Remove clamp from catheter bag tubing and decontaminate it with a detergent wipe, or dispose of it (see above)

Remove gloves and apron, and decontaminate hands

Label the specimen. Complete laboratory request form stating clinical history and symptoms. Send to microbiology immediately after collection, for MC&S. Keep refrigerated in specimen fridge for up to 24 hours, if it can not be transported immediately

Seek advice from other health care professionals about any clinical concerns, queries or outcomes

Document consent, procedure and outcomes in patient's notes

If CSU is being taken for urinalysis, to determine urinary pH, glucose, blood, specific gravity, ketones, or protein – use white topped specimen container