

APPENDIX 9

URINE SAMPLING – CATHETER SPECIMEN OF URINE – See page 44 Equipment

- Dependent upon technique either sterile or non sterile gloves
- Apron
- Monovette
- Non-traumatic clamps
- Appropriate documentation/forms
- 70% alcohol with 2% chlorhexidine (hard surface disinfection wipe)

Pre-Procedure

No	Action	Rationale	
1	Explain and discuss the procedure with the patient.	To ensure the patient understands the procedure and gives valid consent (NMC 2012).	
2	Ensure a suitable, private location.	To maintain patient privacy and dignity (Gilbert 2006).	
3	Prepare equipment and place on sterile trolley.	To prepare equipment for use.	

Procedure

No	Action	Rationale	
4	If no urine visible in catheter tubing: wash/decontaminate physically clean hands with alcohol rub, don apron and apply non-sterile gloves prior to manipulating the catheter tubing.	To minimize the risk of cross-infection (Pellowe 2009; RCN 2012).	
5	Apply non-traumatic clamp a few centimetres distal to the sampling port.		
6	Cleanse hands; either cleanse hands or cleanse visibly clean hands with alcohol hand gel and single use disposable plastic apron and gloves.	To prevent cross-contamination (Fraise and Bradley 2009; RCN 2012).	
7	Wipe sampling port with 2% chlorhexidine in 70% isopropyl alcohol and allow drying for 30 seconds.	To decontaminate sampling port and prevent false-positive results (DH 2007a).	
8	and allow drying for 30 seconds.If using needle and syringe: using a sterile syringe and needle, insert needle into port at an angle of 45° and aspirate the required amount of urine, then withdraw needle.To enable safe inoculation of urine spec and to minimize the risk of penetration the wall of the catheter tubing (2) Reduces the risk of sharps injury (DH 2) European Biosafety Network 2010).Or in a needle-less system: insert syringe firmly into centre sampling port (according to manufacturer's guidelines), aspirate the required amount of urine and remove syringe.		

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9	•	To avoid contamination and to allow for	
	urine specimen (approx. 10 mL) into a	accurate microbiological processing (HPA	
	sterile container immediately.	2014j).	
No	Action	Rationale	
10	Discard needle/syringe into sharps bin.	To prevent the risk of needlestick injury.	
11	Wipe the sampling port with an alcohol	To reduce contamination of access port and	
	wipe and allow to dry.	to reduce risk of cross-infection (DH 2007a).	
Post Procedure			

No	Action	Rationale	
12	Unclamp catheter tubing.	To allow drainage to continue.	
13	Dispose of waste, remove apron and	To ensure correct clinical waste management	
	gloves and cleanse hands.	and reduce risk of cross-infection (DH 2006a)	
14	Label sample, complete microbiological request form including relevant clinical information, such as signs and symptoms of infection, antibiotic therapy.	To maintain accurate records and provide accurate information for laboratory analysis (NMC 2010; Weston 2008).	
15	Dispatch sample to laboratory immediately (within 4 hours) or refrigerate at 4°C.	To ensure the best possible conditions for microbiological analysis and to prevent micro-organism proliferation (HPA 2014j).	
16	Document the procedure (including urinary catheter passport).	To ensure accurate record keeping (NMC 2010)	

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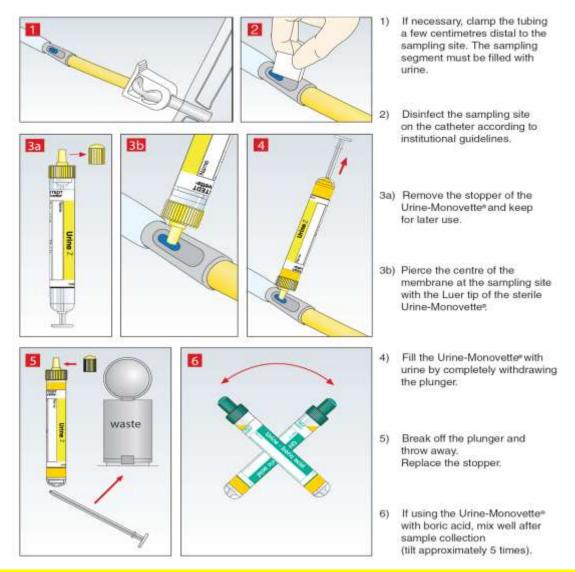
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Royal Marsden Hospital Manual of Clinical Nursing Procedures (2015) Ninth Edition, (Online). (Accessed March 2018) Weston, D. (2008) Infection Prevention and Control: Theory and Clinical Practice for Healthcare Professionals. Oxford: John Wiley & Sons. Cross Ref link

No	Action	Rationale	
1	Explain and discuss the procedure	To ensure the patient understands the	
	with the patient.	procedure and gives valid consent.	
2	Ensure a suitable, private location.	To maintain patient privacy and dignity.	
3	Prepare equipment and place on	To prepare equipment for use.	
	disposable tray.		
4	Cleanse hands, don single use	To prevent cross-contamination.	
	disposable plastic apron and gloves.		

Pre-Procedure for Urine Sampling with a Monovette

Urine-Monovette Procedure for Obtaining a CSU:



Follow post procedure for specimen collection actions 13, 14 and 16.

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