

# Collecting a Urine Sample from an Ileal Conduit / Urostomy



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| Purpose                 | To obtain a clean, uncontaminated urine specimen from an ileal conduit / urostomy for culture and sensitivity  |
| Clinical Considerations | <ul style="list-style-type: none"> <li>• Incorrect sampling techniques may lead to inaccurate culture results and diagnosis.</li> <li>• Urine from an ileal conduit / urostomy may be cloudy due to the presence of mucous, this is often a normal phenomenon</li> <li>• Understand the anatomy of an ileal conduit / urostomy</li> <li>• If appropriate, encourage the patient / client to increase fluid intake pre-procedure to ensure adequate urine volume for specimen collection</li> </ul>   |
| Procedure               | <ul style="list-style-type: none"> <li>• Remove the existing stoma pouch <ul style="list-style-type: none"> <li>▪ Hold the sterile specimen container underneath the stoma to collect urine dripping directly from the stoma into the specimen container</li> <li>▪ Alternatively, apply a new, clean urostomy pouch and collect first pass of urine from the pouch into the specimen container</li> </ul> </li> <li>• Allow 5ml – 10ml of urine to drain into sterile specimen container</li> <li>• Ensure the specimen is labelled as per facility policy, note the sample is from a urostomy on the label</li> </ul>  |
| References              | <ul style="list-style-type: none"> <li>• Magistro, G., Zimmermann, L., Bischof, R. et al. (2021). 'The natural course of urinalysis after urinary diversion'. <i>World Journal of Urology</i>, vol. 39, pp. 1559–1567.</li> <li>• Mahoney, M., Baxter, K., Burgess, J. et al. (2013). 'Procedure for Obtaining a Urine Sample From a Urostomy, Ileal Conduit, and Colon Conduit: A Best Practice Guideline for Clinicians'. <i>Journal of Wound Ostomy Continence Nursing</i>. Vol 40(3), pp 277-279.</li> <li>• Vaarala, M. (2018). 'Urinary Sample Collection Methods in Ileal Conduit Urinary Diversion Patients'. <i>Journal of Wound Ostomy Continence Nursing</i>. Vol 45(1), pp 59-62.</li> </ul> |