

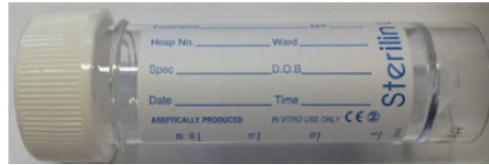


Urine, Mid-Stream Sample

Synonyms	MSU
Clinical Indication	Urinary tract infection Please give detailed clinical information, including date of onset and any current or intended antibiotic therapy
Part of Profile / See Also	Microscopy: Casts (crystals will at present only be reported if specifically requested) Culture for significant pathogens
Request Form	Order comms request i.e., ICE or Medway OR clearly handwritten Microbiology form where order comms not available
Availability / Frequency of Analysis	During working day Out-of-hours urines on patients <2 years old from Southend Trust only are to be referred to the on-call Microbiology Consultant (Basildon urine requests do not fall within the remit of on-call sample repertoire).
Turnaround Time	Microscopy: Same day Culture: 72 hours
Patient Preparation	MSU is the recommended routine collection method. The first part of voided urine is discarded and without interrupting the flow.
Sample Requirements	Where delays in processing are unavoidable, refrigeration at 4°C is recommended, unless boric acid preservative is used, in which case sample must be processed within 72 hours of collection. If received in a plain white top sterile universal container, processing must be performed within 24 hours.
Specimen Type	Mid-stream urine
Volume	For boric acid universal container - 20ml, Paediatric size boric acid universal container - 5 ml, white top sterile universal container - 20 ml
Container	Preferred container: Red capped sterile boric acid universal container – CE marked



Plain white top sterile universal container – CE marked



Reference Range & Units	Specimens with WBC >40, RBC >50, bacteria >20 and all small particles >10,000 require culture.
Interferences	Inadequately collected specimens may result in misleading results being obtained.
Interpretation & Clinical	Positive culture results will be reported with antibiotic susceptibilities where appropriate.
Decision Value (if applicable)	
References	UK SMI – Investigation of urine B 41 Issue no: 8.7 Issue date: 11.01.19
Test code	UMIC
Lab Handling	Samples should be processed as soon as possible upon receipt and in compliance with the Sample Requirements as stated above.