













# GML Best URINE Practices: Microbiology Specimen Collection Guide

TEST REQUEST	<b>Culture Quantitative Urine:</b>  <b>AEROBIC Bacteria, Mycobacteria (AFB), and Fungal</b>	<b>Culture Quantitative Urine:</b>  <b>ANAEROBIC*</b> *Anaerobic studies are performed only on request.	<b>Other:</b>  Mycoplasma culture, Ureaplasma culture	<b>Viruses:</b>  PCR for send out: CMV, BK, and JC	<b>Parasites:</b>  Microsporidia <sup>@</sup> , Schistosoma spp. <sup>#</sup> , Trichomonas vaginalis  @ with long term immunosuppression from transplant # with travel history and activity risks
<b>NOTE:</b> Cleanse area prior to collection to minimize contamination with bacteria that colonize the urethra.  <b>NOTE:</b> First void (patient has not urinated for several hours prior to specimen collection) is recommended. First void urine is more concentrated, thus more likely to contain large numbers of microorganism(s). Random urine from children under 7 is acceptable.					
SOURCE	Clean catch, Catheterized urine, nephrostomy, urostomy, vesicostomy or ileostomy	Suprapubic, renal pelvis, ureter or kidney/bladder tap	Urine 	Urine 	Urine 
TRANSPORT DEVICE	C&S preservative tube filled to minimum fill line recommended.    If a small volume of urine is collected (< 3 mL), do not place in C&S preservative tube. Submit in sterile specimen container.  	Anaerobic Transport Media ATM) is preferred.      	Universal Transport Media (UTM). Use 1:1 ration of UTM to urine.  <b>NOTE:</b> Urethral swabs are preferred for the recovery of Chlamydia, Mycoplasma and Ureaplasma.  <b>NOTE:</b> The Aptima molecular probe can be utilized for <i>C. trachomatis</i> , <i>N. gonorrhoeae</i> , and <i>Trichomonas vaginalis</i> detection. Urine collection device pictured below.	Sterile specimen container or 15 mL aliquot (2 mL minimum).  	Sterile specimen container or 15 mL aliquot (2 mL minimum).    <b>NOTE:</b> The Aptima molecular probe can be utilized for <i>C. trachomatis</i> , <i>N. gonorrhoeae</i> , and <i>Trichomonas vaginalis</i> detection. Urine collection device pictured below.
SPECIMEN STABILITY	<b>C&amp;S preservative tube:</b> 0-48 hrs at room temperature.  <b>Unpreserved urine:</b> 0-2 hrs at room temperature or 0-24 hrs refrigerated 2-8°C.	<b>Anaerobic Transport Media:</b> 72 hrs at room temperature.  <b>C&amp;S preservative tube:</b> 0-48 hrs room temperature.  <b>Unpreserved urine:</b> 0-2 hrs at room temperature or 0-24 hrs refrigerated 2-8°C.	<b>Universal Transport Media:</b> 48 hrs refrigerated 2-8° C.  <b>Aptima:</b> 30 days.    <a href="http://www.geisingermedicallabs.com/10xEssentials/GML_GC_CT_specimen%20collection%20guide.pdf">http://www.geisingermedicallabs.com/10xEssentials/GML_GC_CT_specimen%20collection%20guide.pdf</a>	<b>Sterile specimen container:</b> Send immediately to laboratory (room temperature).  <b>NOTE:</b> Specimens for viral studies must be received by reference laboratory by 96 hrs of collection.	<b>Sterile specimen container:</b> Send immediately to laboratory (room temperature).    <a href="http://www.geisingermedicallabs.com/10xEssentials/GML_Tvag_Collection.pdf">http://www.geisingermedicallabs.com/10xEssentials/GML_Tvag_Collection.pdf</a>