















Containers

Blood Collection Containers

 <p>ACD Solution B</p>	<p><i>Color:</i> Yellow top <i>Capacity:</i> 6.0 ml. <i>Additive:</i> Acid Citrate Dextrose Solution B (anticoagulant).</p>	<p><i>Common Uses:</i> For whole blood chromosome or blood bank studies. <i>Additional Information:</i> Invert 8-10x. Glass tube: protect from breakage during transport.</p>
<p>ACD Solution A (not pictured)</p>	<p><i>Color:</i> Yellow top <i>Capacity:</i> 8.5 ml. <i>Additive:</i> Acid Citrate Dextrose Solution A (anticoagulant).</p>	<p><i>Common Uses:</i> For whole blood chromosome or blood bank studies. <i>Additional Information:</i> Invert 8-10x. Glass tube: protect from breakage during transport.</p>
 <p>Blood Bank EDTA</p>	<p><i>Color:</i> Pink top <i>Capacity:</i> 6.0 ml <i>Additive:</i> K₃ EDTA</p>	<p><i>Common Uses:</i> For blood transfusion determinations. Special label prompts you to provide required information. <i>Additional Information:</i> Invert 8-10x.</p>
 <p>Blood Culture Bottles</p>	<p><i>Color:</i> Purple cap & Blue cap <i>Capacity:</i> 10 ml blood per bottle recommended. <i>Additive:</i> 40 ml of culture media appropriate for aerobic (blue cap) and anaerobic (purple cap) organisms. <i>Additional Information:</i> Collect blood using sterile syringe technique and inoculate 10 ml to each bottle. For children under 12 yrs, inoculate 5 ml blood to 1 aerobic (blue cap) bottle.</p>	
 <p>Blue Sodium Citrate</p>	<p><i>Color:</i> Light Blue top <i>Capacity:</i> 2.7 ml <i>Additive:</i> Buffered sodium citrate in glass tube encased in safety plastic.</p>	<p><i>Common Uses:</i> Obtaining plasma for Coagulation testing. <i>Additional Information:</i> Invert 8-10x. Do not under-fill.</p>
 <p>Grey Top</p>	<p><i>Color:</i> Grey top <i>Capacity:</i> 6 ml. <i>Additive:</i> Sodium Fluoride and Potassium oxalate.</p>	<p><i>Common Uses:</i> For plasma toxicology, glucose tolerance, or other special tests. <i>Additional Information:</i> Invert 8-10x</p>
 <p>Lavender Top (EDTA)</p>	<p><i>Color:</i> Lavender top <i>Capacity:</i> 4.0 ml. <i>Additive:</i> K₂ EDTA</p>	<p><i>Common Uses:</i> For whole blood hematological determinations. <i>Additional Information:</i> Invert 8-10x to prevent clotting.</p>

Blood Collection Containers

 <p>'Waste' Tube</p>	<p><i>Color:</i> Clear plastic top/red stopper <i>Capacity:</i> 4.0 ml. <i>Additive:</i> none</p>	<p><i>Common Uses:</i> For flushing needle before sampling blood for coagulation testing.</p>
 <p>Navy Blue for Plasma (EDTA)</p>	<p><i>Color:</i> Navy Blue top <i>Capacity:</i> 6 ml. <i>Additive:</i> Na₂ EDTA</p>	<p><i>Common Uses:</i> For plasma trace element testing. Special stopper formulation provides low levels of trace elements to prevent contamination. <i>Additional Information:</i> Invert 8-10x.</p>
 <p>Navy Blue for Serum (No additive)</p>	<p><i>Color:</i> Navy Blue top <i>Capacity:</i> 6 ml. <i>Additive:</i> none</p>	<p><i>Common Uses:</i> For serum trace element testing. Special stopper formulation provides low levels of trace elements to prevent contamination.</p>
 <p>PST (Plasma Separator Tube)</p>	<p><i>Color:</i> Light Green top <i>Capacity:</i> 4.5 ml. <i>Additive:</i> Lithium Heparin anticoagulant and a plasma separator gel.</p>	<p><i>Common Uses:</i> For plasma chemistry testing. <i>Additional Information:</i> Invert 8-10x.</p>
 <p>Plain Red Top Tube</p>	<p><i>Color:</i> Red top <i>Capacity:</i> 6 ml. <i>Additive:</i> Silica clot activator</p>	<p><i>Common Uses:</i> Alternative to SST tube for tests sensitive to interference from gel separators. <i>Additional Information:</i> Invert 8-10x.</p>
 <p>Sodium Heparin</p>	<p><i>Color:</i> Conventional green top <i>Capacity:</i> 6 ml. <i>Additive:</i> Sodium Heparin</p>	<p><i>Common Uses:</i> For plasma chemistry testing. <i>Additional Information:</i> Invert 8-10x.</p>
 <p>SPS Fungal blood culture</p>	<p><i>Color:</i> Yellow top <i>Capacity:</i> 10 ml. <i>Additive:</i> Sodium polyanethol sulfonate (SPS)</p>	<p><i>Common Uses:</i> Culturing whole blood for fungus. <i>Additional Information:</i> Glass tube: protect from breakage during transport.</p>
 <p>SST gold top (Serum Separator Tube)</p>	<p><i>Color:</i> Gold top <i>Capacity:</i> 5 ml. <i>Additive:</i> Silica clot activator and serum separation gel.</p>	<p><i>Common Uses:</i> For serum chemistry testing. <i>Additional Information:</i> Invert 8-10x.</p>

Non-Blood Collection Containers

Container

Use

BBL CultureSwab™ with Liquid Stuart transport media.

Varicella Zoster by PCR – Swab of lesion, skin, eye, throat or genitals. Store/send refrigerated.



ThinPrep Vial

Apitima Unisex Collection

Trichomonas Vaginalis (NAA) Nucleic Acid Amplification

Thinprep cervical/endocervical-sample collected for pap smear.

Vaginal or cervical swabs: Use cleaning swab (white shaft swab with red writing) to remove excess mucus. Discard the cleaning swab. Insert collection swab (blue shaft swab with green printing) into endocervical canal and rotate clockwise 10-30 seconds. Alternatively, insert collection swab (blue shaft) about 5 cm into the vagina, and swab sides for 3-5 seconds. Insert collection swab (blue shaft) tip-down into media and break shaft handle off at the scored line. Cap specimen tightly.

Store/transport specimens at room temperature or refrigerated and deliver to laboratory ASAP.



BBL CultureSwab™ Double-Swab Collection System
with Liquid Stuart transport media

Genital Vaginosis Screen

Insert about 5 cm into the vagina, and swab sides for 3-5 seconds.

MRSA Screen by PCR

Have patient clear excess/encrusted mucous from the nostrils. Discard tube cap. Insert double swab into nostril, 1-2 cm from edge of nares. Roll the swab 5 times. Repeat using same double swab in other nostril. Place double swab into tube media. Deliver to laboratory @ room temperature immediately after collection.

MRSA Screen by Chromagar Culture MUST use CultureSwab™ with Amies transport media (**blue cap below**) (not suitable for PCR testing).



Return both swabs to sample tube. Deliver to laboratory immediately @ room temperature.

BBL CultureSwab™ Plus with Amies transport media.



Aerobic Bacterial Culture - Swab ear, eye, pus, wound or other abscess site and place in media.

Non-Vaginal Genital Culture - Swab cervix or endocervix.

Genital Strep Group B Culture - Collect only vaginal/rectal swabs.

Beta Strep A Culture - Swab posterior pharynx and tonsillar fossa.

Deliver to lab immediately @ room temperature. *Not suitable for fluids or anaerobic cultures.*

BBL CultureSwab™ Double-Swab Collection System
with Liquid Stuart transport media



Rapid Strep Screen (Strep Combo)

Using double-swab cap, swab posterior pharynx and tonsillar fossa. Use tongue depressor to avoid lingual contamination.

Return both swabs to sample tube. Deliver to laboratory immediately @ room temperature.

BacT/ALERT® Blood Culture Media



Blood Cultures, Aerobic & Anaerobic

Collect blood using sterile syringe technique. Aseptically inoculate 10 ml. blood into each bottle. Deliver to laboratory @ room temperature immediately after collection. For children 0-12, use a single aerobic bottle (blue cap) and inoculate with 1-4 ml. blood.

BBL Vacutainer® Anaerobic Specimen Collector



Anaerobic Culture

Swab ear, eye, pus, wound or other abscess site. *Do not use for tissue or fluid.* Insert in tube immediately and depress plunger. Deliver to lab immediately @ room temp.

Cup, Sterile screw top

Transfer collected sample to cup. Close lid tightly.



Tissue / Body Fluid Cultures

Collect at least 0.5 ml. of fluid. Deliver to lab @ room temperature immediately after collection.

C. Difficile Toxin

Collect soft or liquid stool in cup (formed stool will be rejected). Keep refrigerated (do not freeze).

Aptima Unisex Collection



Aptima Urine Collection



Chlamydia/GC Antigen (NAA) Nucleic Acid Amplification

Vaginal or cervical swabs: Use cleaning swab (white shaft swab with red writing) to remove excess mucus. Discard the cleaning swab. Insert collection swab (blue shaft swab with green printing) into endocervical canal and rotate clockwise 10-30 seconds. Alternatively, insert collection swab (blue shaft) about 5 cm into the vagina, and swab sides for 3-5 seconds. Insert collection swab (blue shaft) tip-down into media and break shaft handle off at the scored line. Cap specimen tightly.

Urethral swabs: Patient should not urinate 1hr prior to collection. Discard cleaning swab. Insert blue shaft swab into urethra and rotate 2-3 seconds and withdraw. Insert swab tip-down into media and break shaft handle off at the scored line. Cap specimen tightly.

Urine: Patient should not urinate 1hr prior to collection. Direct patient to provide first-catch urine. Using pipette provided, transfer voided urine to urine specimen transport tube until liquid level is between the two black lines on label. Cap specimen tightly.

Store/transport specimens at room temperature or refrigerated and deliver to laboratory ASAP.

Viral Transport M4 media by Remel

Store media refrigerated.



PCR Testing for viruses and Bordetella pertussis

(Do not use for Varicella-Zoster PCR – use BBL Culture swab in Liquid Stuart)

Kit includes (1) regular and (1) mini-tipped swab.* Inoculate media with semen, fluid, or with swab from conjunctival, throat, nasal, genital, or rectal sites. Break off swab tip in media. Deliver to laboratory on ice immediately after collection (do not freeze). Cultures are sent to a referral lab.

*Use flocked nylon or cotton mini-tipped swab for urethral or nasopharyngeal sample sites.

Note: Do not use calcium alginate or wooden shafted swabs.

MCC® C&S Vial
MCC Total-Fix® O&P Vial

Store and transport vials at room temperature.



Stool Culture- Orange capped vial

Ova & Parasite Exam- Black capped vial

See patient collection flyer on www.emhreflab.org for complete collection instructions.

Transfer stool to vial until liquid level rises to the fill line. Close cap tightly; mix well. Store in ziplock bag and deliver to laboratory @ room temperature.

Vacutainer® Urine Preservative Vial



Urine Culture

Transfer 4-ml. clean-catch urine from a sterile cup within 2 hours of collection. Mix well to dissolve preservative. Deliver to laboratory @ room temperature or refrigerated.

Sterile vials for CSF



CSF Collection

Clear sterile polystyrene vials with conical bottom, graduation marks, and hinged screw cap. 4 vials included in Lumbar Puncture Procedure Kit.