

Blood Culture Collection using BD Bactec™ Quick Guide

Equipment Needed



Aerobic Culture Bottle
(Blue cap/Grey label)



Anaerobic Culture Bottle
(Purple cap/Purple label)



Pediatric Aerobic Culture Bottle
For use on pediatric patients only. Collect only this bottle for pediatric patients. (Pink cap/pink label)



Acid Fast Culture Bottle
For order Culture, Acid Fast Blood only. (Red cap/red label)

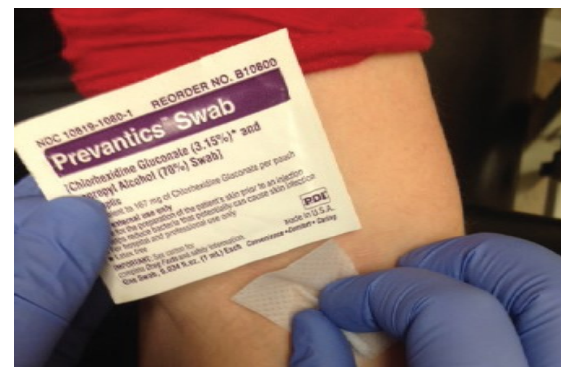


Vacutainer Hub or Transfer Device

Other items needed:

Prevantics Swab for disinfection of area, appropriate sized syringe, appropriate gauge of butterfly needle, gauze, gloves, tourniquet, and appropriate bandaging.

Collection Instructions for Patient and Bottle Preparation



Find suitable site for collection. Disinfect the collection area using a Prevantics Swab (usage instructions on back of pad).



Before the actual collection, disinfect top of the culture bottles with a 70% isopropyl alcohol swab or Prevantics Swab.

Recommended Blood Culture Volume	Total Volume to be Drawn Routine Blood Culture	Culture, Blood Routine		Culture, Blood Acid Fast (AFB)
		Plus Aerobic /IF	Lytic/10 Anaerobic/IF	Myco/F Lytic
Adult	Ideal Volume	10 mL	10 mL	3-5 mL
	Acceptable Volume	3-10 mL	3-10 mL	1-5 mL
	Difficult Collection	6 mL		1 mL

Collection Instructions using Vacutainer Winged Set / Needle

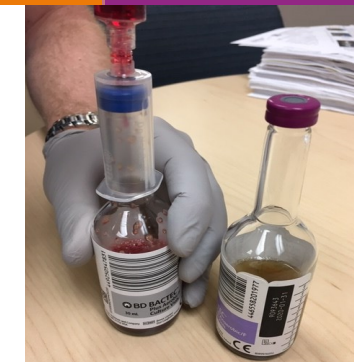


Using a butterfly needle and vacutainer hub, directly transfer the optimal amount of blood (8-10mL) into each bottle. Collect the grey labeled-blue cap (aerobic) bottle first.

Collection Instructions using Syringe



Using a butterfly needle attached to the appropriate sized syringe, draw off the optimal amount of blood (16-20mL) into the syringe. Discard butterfly needle into sharps container.

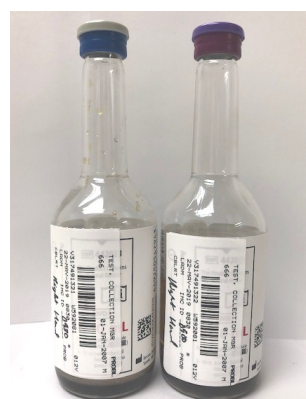


Attach your blood filled syringe to a transfer device. Transfer the blood (8-10mL) into each bottle. Collect the grey labeled-blue cap (aerobic) bottle first.

Recommended Blood Culture Volume by Patient Weight	Culture, Blood Routine			Total Volume Routine Blood Culture	Culture, Blood Acid Fast (AFB)
	Weight Range	Peds Plus/IF	Plus Aerobic /IF		Lytic/10 Anaerobic/IF
Pediatric	Pounds	Kilograms	Blood Volume		Blood Volume
	<11 lbs	<5 kg	1 mL		1 mL
	11 – 22 lb	5-10 kg	2 mL		1 mL
	22.1 – 44 lb	10.1 – 20 kg	3 mL	3 mL	1 mL
	44.1 – 88 lb	20.1 – 40 kg		5 mL	5 mL
>88 lb	>40 kg		10 mL	10 mL	2 mL
				20 mL	3 mL

NOTE: Volume is very important in detection of bacteria. The more blood collected the better the chance of detecting the presence of bacteria.

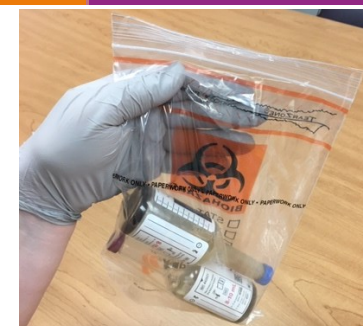
Labeling Bottles



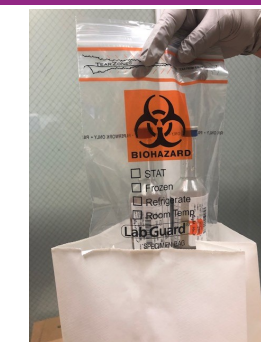
Discard all materials in their appropriate locations. Properly label the culture bottles.

- Place labels vertically making sure to not cover up the barcode area or volume markings.
- Include location of collection, i.e right arm, port, etc

Packaging of Samples to Send to Pathology Laboratory



Place bottles into a single biohazard bag and seal.



Place sealed biohazard bag into white paper back and prep for courier pickup.

REMINDER—do NOT incubate bottles. Leave at room temperature until courier pick up.