



New Blood Culture Bottles

Effective Date: November 8, 2022

Beaumont Laboratory recently purchased new blood culture instrumentation to standardize venipuncture collection and microbial detection of bloodstream infections across the health system. This will be a new collection process for Grosse Pointe, Lenox, Royal Oak, and Troy. Images of the BacT/ALERT® bottles are shown below as well as a quick guide for blood culture collection.

New Blood Culture Bottles:

ADULT:	Green (Aerobic) & Orange (Anaerobic) BacT/ALERT® Adult Blood Culture Bottle <ul style="list-style-type: none">Collect 8-10 mL of blood per bottle																					
PEDIATRIC:	Yellow (Aerobic) BacT/ALERT® Pediatric Blood Culture Bottle <ul style="list-style-type: none">Collect 1-3 mL of blood per bottle (no minimum)																					
BacT/ALERT® Blood Culture Bottles 	PeopleSoft ordering information for BacT/ALERT® Blood Culture Bottles <table border="1"><thead><tr><th></th><th colspan="2">Old Bottles</th><th>New Bottles</th></tr><tr><th></th><th>GP, LNX, RO, TR</th><th>FH</th><th>All Sites</th></tr></thead><tbody><tr><td>Aerobic</td><td>2060666</td><td>2081890</td><td>2122167</td></tr><tr><td>Anaerobic</td><td>2053977</td><td>2084423</td><td>2122168</td></tr><tr><td>Peds</td><td>2149057</td><td>2122169</td><td>2122169</td></tr></tbody></table>		Old Bottles		New Bottles		GP, LNX, RO, TR	FH	All Sites	Aerobic	2060666	2081890	2122167	Anaerobic	2053977	2084423	2122168	Peds	2149057	2122169	2122169	NEW HUB/ADAPTER PeopleSoft: 2075289 
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If you have questions, please contact your Beaumont Laboratory Customer Service Department:

- Farmington Hills, Grosse Pointe, Royal Oak and Troy: 800-551-0488 or 248-551-1155, Option 5
- Dearborn, Taylor, Trenton and Wayne: 800-245-3725, Option 1

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

Date submitted: **October 17, 2022**

Submitted by: **Daniel Ortiz, PhD, D(ABMM), System Director, Microbiology and Molecular Pathology**

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RECOMMENDATIONS FOR BLOOD CULTURE COLLECTION

USING WINGED BLOOD COLLECTION SET (PREFERRED METHOD OF COLLECTION)

STEP 1 CHECK PATIENT ID AND PREPARE MATERIALS



- Confirm the patient's identity.



- Prepare the collection kit.



- Do not inoculate bottles past their expiration date.
- Do not use bottles showing signs of damage, deterioration, or contamination.
- Identify the fill-to mark or mark the target fill level on the label.

STEP 2 PREPARE BOTTLES FOR INOCULATION



- Wash hands or use an alcohol hand rub.



- Remove the plastic "flip-cap".
- Disinfect the bottle septum and allow to dry.

STEP 3 PREPARE VENIPUNCTURE SITE



- Apply a disposable tourniquet.



- Palpate to find a vein.
- Apply clean examination gloves.



- Disinfect the skin.
- Allow the site to air dry.

STEP 4 VENIPUNCTURE



- Attach the collection set to the adapter cap.*



- To prevent contamination, do not re-palpate.
- Insert the needle into the prepared vein.

STEP 5 BOTTLE INOCULATION



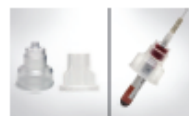
- Collect the aerobic bottle first.
- Place adapter cap over bottle top.
- Press straight down to pierce septum.

- Hold the bottle upright below the venipuncture site.†
- Collect 10 mL of blood per adult bottle or up to 4 mL per pediatric bottle.



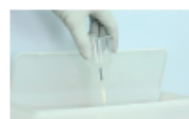
- Ensure the bottle is correctly filled to the Fill-to Mark or target fill level, as shown.
- Repeat for the anaerobic bottle.

STEP 6 OTHER BLOOD TESTS



- Always collect blood cultures first.
- If the adapter cap used requires an insert, place the insert into the cap before collecting blood for other tests.

STEP 7 FINISH THE PROCEDURE



- Discard the collection set into a sharps container and cover the puncture site.
- Remove gloves and wash hands.



- Record collection date, time and site and label bottles according to your facility's recommendations.
- Transport inoculated bottles as quickly as possible to the laboratory for testing in the BACT/ALERT® blood culture system.‡