Contact your BD Sales Consultant to learn how we can help you implement best practices in the preanalytical phase of blood culture sample collection

BD Vacutainer® UltraTouch™ Push Button Blood Collection Set enabling improved blood culture sample collection to reduce the health and financial burdens associated with sepsis

To learn more, call 800.631.0174 or visit bd.com/Vacutainer/Ultratouch

To optimize your blood culture sample collection process, also consider BD ChloraPrep™ Skin Preparation products and BD BACTEC™ blood culture bottles.

Cat no. Description Shelf pack/case
368689 21 G x 0.75” needle with 12” tubing with preattached holder 20/100
368688 23 G x 0.75” needle with 12” tubing with preattached holder 20/100
368687 25 G x 0.75” needle with 12” tubing with preattached holder 20/100
367365 21 G x 0.75” needle with 12” tubing and luer adapter 50/200
367364 23 G x 0.75” needle with 12” tubing and luer adapter 50/200
367363 25 G x 0.75” needle with 12” tubing and luer adapter 50/200
364815 BD Vacutainer® One Use Holder 250/1,000

References
9. Lakeridge Health-Oshawa case study.

BD, Franklin Lakes, NJ, 07477, U.S.

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Advances in technology can help improve sufficient blood volume collection

Sufficient blood volume is one of the critical determinants for an optimal yield of organisms for identification. The yield of pathogens increases in direct proportion to the volume of blood cultured.\(^7\)

The BD Vacutainer® UltraTouch™ Push Button Blood Collection Set incorporates BD RightGauge™ Ultra-Thin Wall Cannula Technology, which:

1. Allows greater sample fill volume to be collected in blood culture bottles\(^8\)
2. Improves blood flow rates
3. Provides a larger inner diameter while maintaining a set outer diameter

The facts about sepsis

Sepsis is a life threatening condition caused by the body’s response to an infection, resulting in organ dysfunction and failure.\(^1\)

Blood culture is critical for detecting and treating sepsis\(^5\)

The right diagnosis begins in the preanalytical phase with blood culture sample collection

Challenges in patient preparation and sample collection can result in preanalytical errors, accounting for up to 70% of all the clinical errors made in laboratory diagnosis.\(^6\) As a result, following best practices in the preanalytical stage of the blood culture sample pathway is extremely important.

Good sample collection minimizes risk of contamination and ensures that sufficient blood volume is collected. If contamination or insufficient blood is collected, it may be impossible to accurately recover and isolate the organism(s) causing infection, a step which is required for appropriate diagnosis and treatment of the patient.

Globally, an estimated 31.5 million cases of sepsis are diagnosed each year, with an estimated 5.3 million deaths.\(^2\)

As a leading cause of mortality and critical illness worldwide, sepsis hospital mortality rates range from 25%–30%.\(^2\)

Clinical studies have demonstrated a two-fold increase in mortality caused by sepsis when inappropriate antimicrobial therapy is given.\(^1\)

The average cost per hospital stay for sepsis is $18,000—2x the average cost per stay across all other conditions.\(^4\)

21 gauge BD Vacutainer® UltraTouch™ Push Button Blood Collection Set has been shown to:

- Improve sample fill volume by 2.5 mL\(^9\)
- Reduce blood culture underfill rates by 24%\(^9\)