

Blood culture is one of the most important and critical procedures performed in the microbiology laboratory. Since blood is normally sterile, the isolation and identification of an organism has great diagnostic significance. Blood culture is of great importance in diagnosing conditions such as endocarditis, typhoid fever, pneumonia and other diseases characterized by bacteremia.



# Blood Culture Bottles

- Anaerobic / Bi-state blood culture bottle
  - High sensitivity and detection rate
  - Small volume specimen

**Autobio**

autobio diagnostics

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# Blood Culture Bottles

Anaerobic / bi-state blood culture bottle | High sensitivity and detection rate | Small volume specimen

## Product Overview

Blood Culture testing is performed in the Microbiology laboratory. Blood is drawn from the person once or twice to find and detect infections that are spreading through the bloodstream, such as Bacteremia, Infective Endocarditis and Septicemia. It is of great importance in diagnosing conditions such as Endocarditis, Typhoid Fever, Pneumonia and other diseases characterized by Bacteremia.

To evaluate a patient for sepsis, two to three sets of Anaerobic/Bi-state blood cultures should be submitted.

## Clinical implications

1. When nursing seriously ill patients, Pyemia is a big challenge. The early stage diagnosis is a decisive factor for the prognosis of such patients.

2. For the diagnosis of Bacteremia and Fungemia, blood culturing is the most common and effective diagnostic tool. Blood culturing is an important research and is able to provide important indications for the diagnosis and treatment of patients with blood stream infections and potential Pyemia.

3. For patients, positive blood culturing can determine the existence of infectious pathogens. Furthermore, antibiotic susceptibility tests can be carried out on the pathogens, optimizing the antibiotic treatment. The earliest possible implementation of effective antibiotic treatment has significant impact on the prognosis.

4. Blood culturing has significant clinical implications to the diagnosis, treatment and prognosis of Endocarditis, Typhoid Fever, *Streptococcus Pneumoniae* and other diseases.



## Advantages of Autobio

- **High sensitivity.** Positive sample detection rate within 24 hours is higher than comparable products. All AUTOBIO™ Blood Culture media are rich in nutrients and special growth factors suitable for the growth of bacteria, especially fastidious bacteria such as *Haemophilus*. With the addition of sodium polyanetholsulfonate (SPS), a nontoxic anticoagulant, bacterial growth is enabled by counteracting the anti-bacteria or bacteria inhibiting effects.
- **Small sample size**, easy to collect. Especially good for children and old people because these population groups are prone to suffer Bacteremia and Septicemia while their immunity is usually weak causing difficulties in blood collection.
- **Bi-state system** can form different Oxygen concentration gradients. A gradient of Oxygen concentrations positively influences the growth of microorganisms demanding different Oxygen concentrations. The presence of a solid phase facilitates the separated cultivation. This eliminates contaminations. Bacterial colonies are thus easy to be observed on agar surfaces. Colonies obtained from agar surface may be directly used for susceptibility experiments and strain identification.

## Order information

Product	Quantity	Order No.
Bi-state blood culture bottle	1 Test	M0208
Anaerobic blood culture bottle	1 Test	M0209

## Autobio Group

offers more than 100 *in vitro* diagnostic products including ELISA, POCT (Point of Care Test), Microbiology and CLIA (Chemiluminescence). As an ISO 9001, EN 13485 and GMP certified manufacturer, Autobio supplies high quality products through its well established sales network and is reknown as a reliable OEM partner. For details please visit [www.autobio-diagnostics.com](http://www.autobio-diagnostics.com)

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