

# AUTOMATED BLOOD CULTURE SYSTEMS



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Automated Blood Culture Systems are the laboratory devices that are used for detecting pathogens in blood specimens. When the test sample is inoculated into vial, the microorganisms present in the sample metabolize the nutrients in the culture medium and releases carbon dioxide gas into the medium. The dye in the culture bottle reacts with carbon dioxide. This modulates the amount of light absorbed by fluorescent material in the sensor and measure the fluorescence level, corresponding to carbon dioxide released. After the analysis, if the vial is determined positive then the presence of viable microorganisms is confirmed. It majorly helps to achieve rapid and automated growth detection bacteria in blood samples or sterile body fluids.

## LTBCS8-1 AUTOMATED BLOOD CULTURE SYSTEM

50 cell capacity

Continuous detection of the bottles in the cycle of 10 minutes

Rotary shaking inoculation is beneficial to the organisms growth

Double-barcode design to load/unload bottles simply and avoid operation mistakes

Automated recognition and alarm of inconsistent bottles

Automated optical detection and manual interpretation to prevent the occurrence of false negative result

Real time dynamic display of the state of culture and growth curve on the graphical user interface

User friendly software system, convenient data management

Culture time can be preset and modified



## SPECIFICATIONS

Model	LTBCS8-1
Capacity	50
Dimension (LxWxH)	670x640x680 mm
Weight	98 kg

## LTBCS8-2 AUTOMATED BLOOD CULTURE SYSTEM

60 cell capacity

Continuous detection of the bottles in the cycle of 10 minutes

Swing shaking inoculation is beneficial to the organisms growth

Double-barcode design to load/unload bottles simply and avoid operation mistakes

Automated recognition and alarm of inconsistent bottles

Automated optical detection and manual interpretation to prevent the occurrence of false negative result

Real time dynamic display of the state of culture and growth curve on the graphical user interface

User friendly software system, convenient data management

Rapid selective cultivation of special isolates



## SPECIFICATIONS

Model	LTBCS8-2
Capacity	60
Dimension (LxWxH)	580x595x590 mm
Weight	65 kg

## LTBCS8-3 AUTOMATED BLOOD CULTURE SYSTEM

100 cell capacity

Continuous detection of the bottles in the cycle of 10 minutes

Swing shaking inoculation is beneficial to the organisms growth

Double-barcode design to load/unload bottles simply and avoid operation mistakes

Automated recognition and alarm of inconsistent bottles

Automated optical detection and manual interpretation to prevent the occurrence of false negative result

Real time dynamic display of the status of culture and growth curve on the graphical user interface

User friendly software system, convenient data management

Culture time can be preset and modified



## SPECIFICATIONS

Model	LTBCS8-3
Capacity	100
Dimension (LxWxH)	660x620x820 mm
Weight	110 kg

## LTBCS8-4 AUTOMATED BLOOD CULTURE SYSTEM

120 cell capacity

Continuous detection of the bottles in the cycle of 10 minutes

Swing shaking inoculation is beneficial to the organisms growth

Double-barcode design to load/unload bottles simply and avoid operation mistakes

Automated recognition and alarm of inconsistent bottles

Automated optical detection and manual interpretation to prevent the occurrence of false negative result

Real time dynamic display of the state of culture and growth curve on the graphical user interface

User friendly software system, convenient data management

Culture time can be preset and modified



## SPECIFICATIONS

Model	LTBCS8-4
Capacity	120
Dimension (LxWxH)	680x605x910 mm

Weight	125 kg
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## LTBCS8-5 AUTOMATED BLOOD CULTURE SYSTEM

- Four incubator drawers of 60 cell capacity deliver 240 cell capacity
- One heating system for each incubator drawer to control temperature
- Control module handles up to 64 incubator modules
- Support for random loading and unloading, support for incubation of anonymous bottles, positive anonymous and negative anonymous bottles can be identified
- Double-barcode design to load/unload bottles simply and avoid operation mistakes
- Time to positive (TTP) of more than 90% positive specimens is within 24 hours
- Alarm by audio and light flash



### SPECIFICATIONS

Model	LTBCS8-5
Capacity	240
Dimension (LxWxH)	780x650x980 mm
Weight	200 kg



**Labtare Analytical Instruments**

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