

Automated Blood Culture System

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Product Overview

Automated Blood Culture System comprises a constant temperature system, oscillating mixing system, detection system, computational control system, and power supply system. Adopting continuous monitoring technology, it enables rapid detection of pathogenic microorganisms in blood and sterile body fluid specimens. It meets the diagnostic needs for bloodstream infections and provides a scientific basis for antibiotic therapy.

FEATURES

Product Features

1. Easier Operation
2. "Scan & Load" one-step bottle placement (any slot, random positioning)
3. Blind retrieval (batch consecutive retrieval of same-result specimens)
4. 10.1-inch touchscreen with graphical interface
5. Dual barcode support & LIS integration
6. Color-coded/blinking indicators for loading/unloading
7. Smarter Detection
8. Blood/sterile body fluid cultivation & detection
9. Independent slots for synchronous bottle identification
10. High-precision temperature control (uniform internal temperature)
11. Modular design, multi-unit cascading support
12. More Accurate Reporting
13. Continuous monitoring for timely results
14. Innovative algorithms for fast, precise positivity reporting

Specification

Model	DS-BC0032	DS-BC0064	DS-BC00128
Method	Color method		
Specimen	Blood or various sterile body fluid specimens		
Capacity	32	64	128
Temperature Control System	Circulating air bath, users can set the culture temperature flexibly		
Independent Culture Cycle	Each culture bottle can set independently of different culture cycles flexibly		
Agitation Function	Rocker-type mixing, continuous oscillation		
Detection	Multi-channel synchronous detection & upload, 24h real-time monitoring (10-min intervals), the detection cycle can be set according to the user's needs		
Antibiotic Adsorption	Special resin adsorption (no interference with gram stain smears)		
Culture Bottles	Adult aerobic/anaerobic bottles; Antibiotic-neutralizing bottles; Pediatric aerobic bottles; L-form bacteria bottles		
Bottle Reinsertion	>48h delay tolerance; retest support for false-positive bottles		
Bottle Material	Multi-layer polymer fiber (crimp-sealed design: shatterproof, contamination-proof)		
Software Functions	Incubation time graphing; statistical analysis; growth curves; blind retrieval; HIS/LIS integration		
Alarm	3-level (audio/visual/color) alerts		
Power Supply	AC110/220V, 50/60Hz		
External Size(W*D*H)	720*330*350mm	720*330*700mm	1400*330*700mm
Net Weight	33kg	66kg	130kg
Package Size(W*D*H)	800*500*590mm	800*900*590mm	800*900*590mm*2
Gross Weight	50kg	85kg	85kg*2