

INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

Bc60

Automated Blood Culture System



Autobio Diagnostics Co., Ltd.

offers more than 400 in vitro diagnostic products including CLIA(microplate based CLIA and magnetic particle based CLIA),ELISA,POCT(Point of Care Test),Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit en.autobio.com.cn. Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco & Tech Zone | Zheng zhou City | China 450016.

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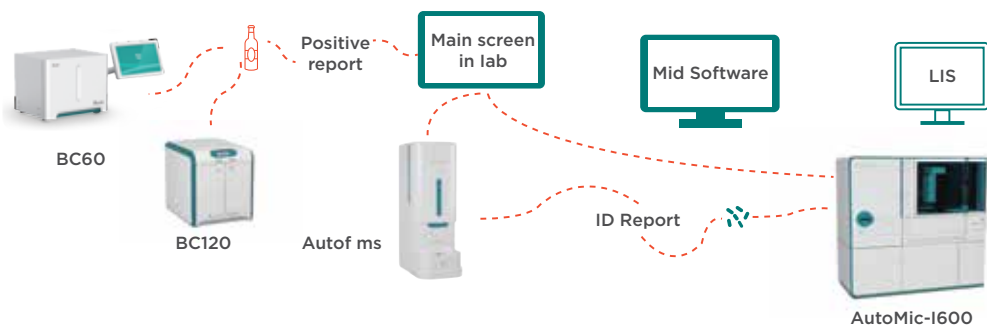


Automated Blood Culture System20211231e

en.autobio.com.cn



5 Autobio information management system



- ▶ It can be connected with Autobio Microbiology Information System to realize the data sharing and multi-dimensional statistical analysis of blood culture results, microbial detection process and automatic report of negative results.
- ▶ Realize the interconnection of satellite blood culture and central blood culture system to reduce the TAT time of samples.

6 Reagents catalog

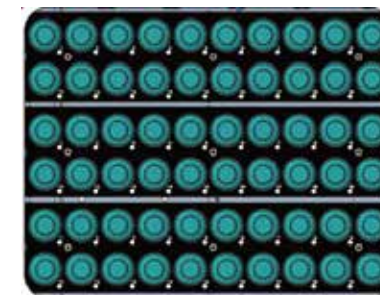
Reference	Name	Quantity
MC0301	Aerobic Culture Bottle FA (Resin)	20 T
MC0302	Anaerobic Culture Bottle FN (Resin)	20 T
MC0303	Aerobic Culture Bottle PF (Resin)	20 T
MC0304	Aerobic Culture Bottle SA (Standard Aerobic)	20 T
MC0305	Aerobic Culture Bottle SP (Standard Pediatric)	20 T
MC0306	Anaerobic Culture Bottle SN (Standard Anerobic)	20 T
MC0401	Mycobacterial Culture Bottle*	20 T

*Coming soon

After more than 10years' integration of experience and accumulation of blood culturing technology. Autobio develops a new generation of automatic blood culture instrument series to provide users with more mature and efficient blood culture solutions.

1 Instrument Performance

- ▶ Modular, support the expansion of up to 360 bottle positions.
- ▶ Integrated control unit ensures higher flexibility for the instrument.
Better temperature uniformity, avoid the influence of door opening and closing.
- ▶ Blood volume detection module (optional), to realize accurate management of blood volume and reduce the influence of blood volume on results.
- ▶ Low noise (<45 dB) , and smallest size among similar products.



2 Software Performance

- ▶ Comprehensive statistical functions.
Statistics analyse positive rate of culture bottles, statistics analyse positive rates of departments, statistics analyse positive detection time, statistics analyse positive bottle removal time, etc.,
- ▶ Software supports offline recovery function.
- ▶ Dynamic response operation interface.



3

Reagents performance

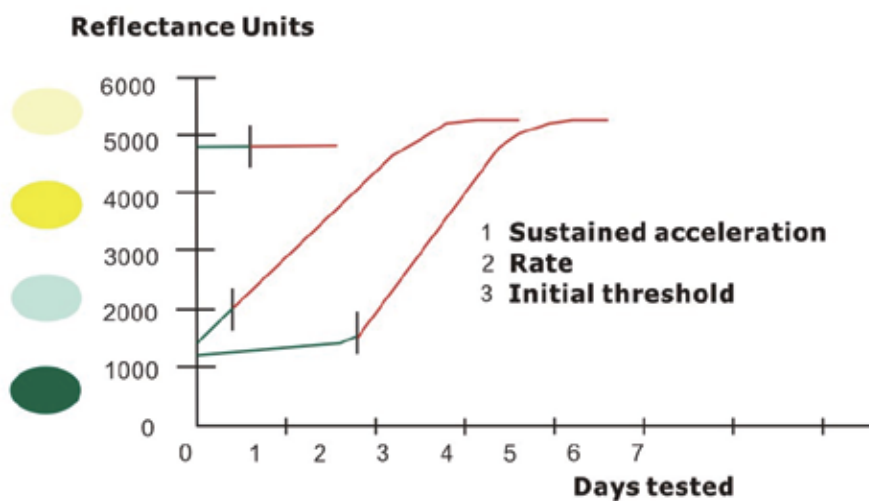
- Special selected V and X factors added on the culture medium improves detection rate of fastidious bacteria.
- Addition of macroporous resin and cation resin assure great capability neutralization.
- Vacuum quantitative blood collection supported.
- Double bar code management for traceability of analysis.
- High-strength plastic material of the bottle guarantees reliable bio-safety.
- Minimum positive sample detection time is 3 hours.

4

Interpretation performance

- ▶ More efficient man-machine exchange interface, higher operability and stronger functionality
- ▶ More advanced intelligent algorithms, covering all stages of microbial growth, report positive results earlier.
- ▶ Optimize the operation process, the on-machine process is simpler, only need to scan the code, put the bottle
- ▶ Multi-dimensional bacterial growth model, positive results are more reliable
- ▶ Unique protrusion recognition algorithm, combined with sustained acceleration algorithm, rate algorithm, and initial threshold algorithm, improve the reporting time.

Three modes of interpretation



<4500 bottles/year
*L*W*H: 490mm*410mm*390mm*



<9000 bottles/year
*L*W*H: 490mm*410mm*780mm*



<13500 bottles/year
*L*W*H: 980mm*410mm*780mm*



<18000 bottles/year
*L*W*H: 980mm*410mm*780mm*



<22500 bottles/year
L*W*H: 1470mm*410mm*780mm



<27000 bottles/year
L*W*H: 1470mm*410mm*780mm



 **Biosite**
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