

# TDR-X120

## Automated Blood Culture Systems



**Technical Specifications:**

- Sample position: 120
- Principle: Colorimetry
- Sensitivity: ≤10 CFU/ml
- Specimen types: Applicable for Blood, CSF, peritoneal fluid, pleural fluid, bone marrow, and other sterile body fluid
- Basic calculation algorithms: 1.Sustained acceleration 2.Rate 3. Initial threshold
- Culture type: TDR Aerobic; TDR Peds; TDR Anaerobic; TDR Resin Aerobic; TDR Resin Peds; TDR Resin Anaerobic
- Extendable Function: Maximally extend to 600 position
- Powerful statistics: Export results including bacteria growth curve
- Automation: Automatic surveillance and report; Support negative pre diagnostic report
- Temperature controlling system: Dual heating systems (solid heating bath and air heating bath)
- Interface: USB, RS-232C, Lan
- Storage capacity: 500GB
- LIS connection: Support BI-LIS
- Dimension and weight: Width (600±10mm), Height (975±10 mm), Depth (720±10 mm); 162Kg
- Power supply: AC100~240V, 50/60Hz
- Working temperature: 0~35℃
- Relative humidity: 30~85%, without condensation



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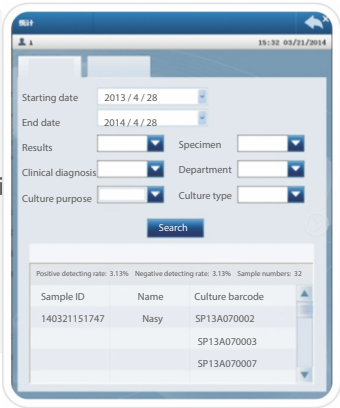
Easier Microbiology, Easier Diagnostics



Powerful statistics,providing evidence for scientific research

TDR-X series automated blood culture systems can dig the data via multi-fields, then generate a excel format file which facilitates customers to do a further analysis

Department	Sending time	Culture barcode	Culture type	Result
Internal medicine	2014-5-1 11:00	SA14D21001	TDR-Aerobic	POS
ICU	2014-5-5 11:09	SA14D21012	TDR-Aerobic	NEG



Modular extendibility, look into your future

TDR series blood culture systems can upgrade the incubators to modular systems.

Model	Daily specimen numbers(bottle)
TDR-X120	≤24
TDR-X240	≤48
TDR-X360	≤72

Comment: Duration of culture is 5 days<sup>2</sup>



Drawer type incubator constantly maintains the temperature accurately

The drawer type incubator can reduce the impacts from external environment, which avoids the false positive readings. Meanwhile, it applies the dual heating system(air bath and solid bath) which keeps the temperature more stable.



One step for loading the culture

The system can load the culture without touching the screen. It can be finished by scanning and inputting the culture barcode and patient information. The system also supports Bi-LIS mode.

Flexible operation system provides better user experience

Windows based operation system plus a 12 inches display offers a friendly operation platform



Polythene materials prevent bio-hazard

The plastic bottle can prevent to be broken by accidental falls, avoiding infection risks.

Variety of resins can reduce the antibiotics interferences

The resin can not only absorb the antibiotics but also inflammatory factors. This can increases the culture detectable rate. Meanwhile, resin do not interfere the gram stain.

Applicable for many types of specimens

TDR-X series blood culture systems can be used for testing blood and body fluid(CSF,pleural fluid, etc.)



Various choices of cultures

TDR-X series can supply standard and resin cultures, both aerobic and anaerobic .

No.	Name	No.	Name
1	Resin aerobic culture	4	Pediatric culture
2	Aerobic culture	5	Resin Anaerobic culture
3	Resin pediatric culture	6	Anaerobic culture



Irreversible colorimetry technology minimizes the problems of delayed specimen

The blood culture should be sent to laboratory within 2 hours according to CLSI(Clinical and Laboratory Standards Institute) standards. Otherwise, it might affect the bacteria growth. TDR-X series automated blood culture systems can solve the problem by using irreversible colorimetry technology and multi-calculation algorithms.