

TDR-X series

Automated Blood Culture Systems

Easier Microbiology, Easier Diagnostics

References

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P/N:ENG-TDR-X series-210285X8P-20220826
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healthcare within reach



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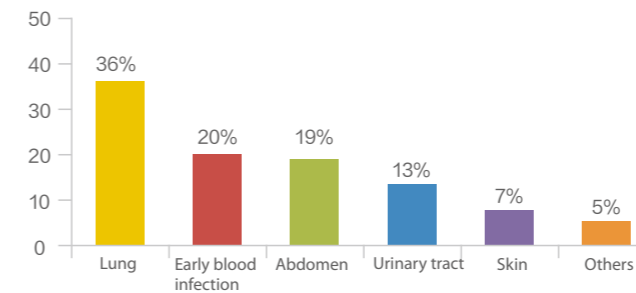


Blood culture is the gold standard for blood stream infection diagnosis

It is essential to isolate the microorganism from patient blood. The positive results can not only confirm the microorganism species, but also supply the antimicrobial susceptibility results which can optimize the patient therapy. •••••

The sepsis occurrence rates among different diseases

According to investigation data, many diseases can trigger blood stream infection. The lung infection accounts for 36%. ••

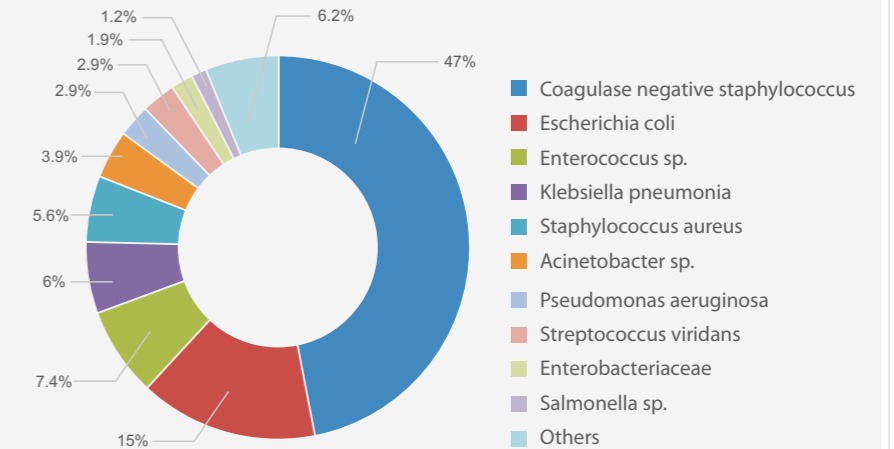


The common pathogenic microbes

According to Chinese bacteria resistance surveillance report, the bacteria isolated from blood are dominantly Gram positive cocci(64.3%), Gram negative bacillus. The coagulase negative staphylococcus accounts for 47.0% in Gram positive cocci; The enterobacteriaceae accounts for 25.7% in Gram negative bacillus.4

The distribution of common blood infection pathogens

- 1 Coagulase negative staphylococcus
- 2 Escherichia coli
- 3 Enterococcus sp.
- 4 Klebsiella pneumonia
- 5 Staphylococcus aureus
- 6 Acinetobacter sp.
- 7 Pseudomonas aeruginosa
- 8 Streptococcus viridans
- 9 Enterobacteriaceae
- 10 Salmonella sp.





Efficiency improvement

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Irreversible colorimetry technology minimizes the problems of delayed specimen

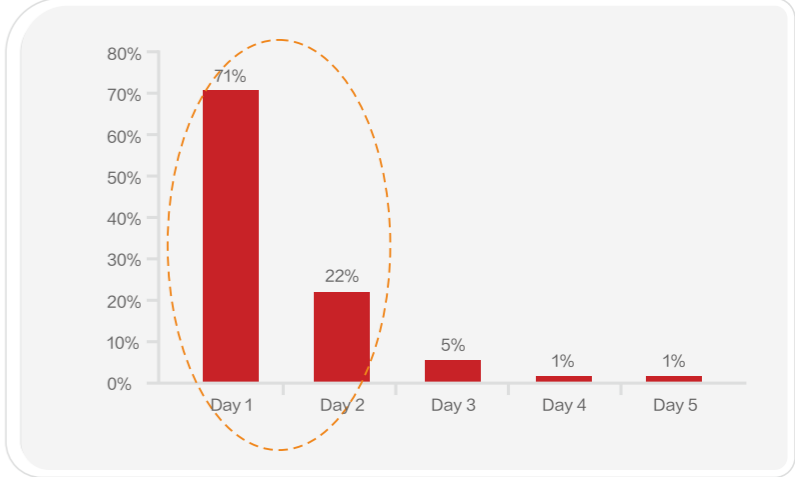
The blood culture should be sent to laboratory within 2 hours according to CLSI(Clinical and Laboratory Standards Institute) standards. Otherwise, it might affect the bacteria growth. TDR-X series automated blood culture systems can solve the problem by using irreversible colorimetry technology and multi-calculation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

Negative pre diagnostic report, more than just save your time

Automated Blood Culture Systems

The reporting time distributions of positive specimens

CLSI defines the negative reporting time period is 5 days in terms of automated blood culture instruments. According to investigation data, 71% of the positive blood cultures results can be detected in 24 hours; 93% can be reported positive in 48 hours; 98% in 72 hours.



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.

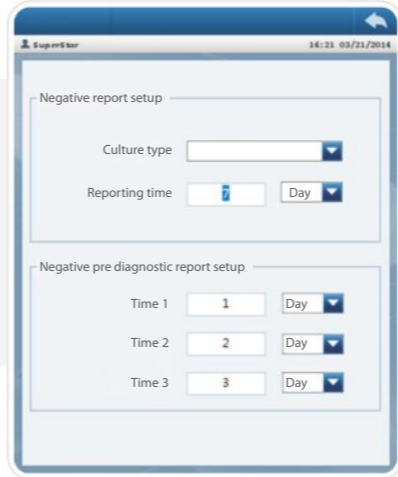


One step for loading the culture

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



Negative pre diagnostic report

Customer can set up the time alarm configuration, then the data will be transmit via LIS/HIS.

A bridge between laboratory and clinical dept.

The negative pre diagnostic report can help doctors monitor patients' blood cultures status real-time

Powerful statistics and analysis

Automated Blood Culture Systems



Polycarbonate 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 increase the culture detectable rate. Meanwhile, resin does not interfere with 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.

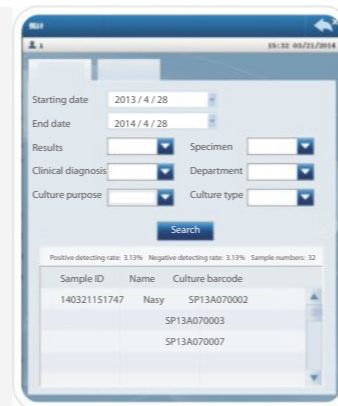
TDR-X series blood cultures give you more than just trust

Automated Blood Culture Systems



Powerful statistics, providing evidence for scientific research

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



Modular extendibility, look into your future

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

Model	Daily Specimen numbers (Vials)
X030	<= 4
X060	<= 12
X120	<= 24
X240	<= 48
X360	<= 72

Notes: Predefined period of culture is 5 Days

