TDR-300B

Microorganism analysis system

A Mindray Company

Technical Specifications:

Identification range

10 categories of test cards covering Enterobacteriaceae, Micrococcaceae, Streptococcus, Yeast-like fungi, Vibrionaceae, Non-fermentative bacteria, Bacillus, Coryneform bacteria, Neisseria, Haemophilus and other fastidious bacteria, Anaerobes etc

Principles

Identification: colorimetry

Antimicrobial susceptibility testing: turbidimetry

Wavelength

Red(R), Green(G) and Blue(B)

Printer

External printer

Interface

RS-232, support LIS/HIS

Working environment

Temperature: 10℃~30℃

Relative Humidity: 35%~80%, without condensation

Atmospheric pressure

76kPa~106kPa

Transportation and storage environment:

Temperature: 0℃~40℃

Relative Humidity: 30%~80%, without condensation

Power supply

AC100~240V, 50/60Hz

Fuse

5mm(dia.)×20mm, T(Time lag) 250V/2AL

Input power

No greater than 100VA

Safety classification:

Electric shock prevention: Ⅰ; Overvoltage category: Ⅱ; Pollution degree: 2

Dimension

510mm×270mm× 645mm (D×W×H)

Weight

22Kg

Easier microbiology,
Easier diagnostics

A Mindray Company

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Easier Microbiology, Easier Diagnostics

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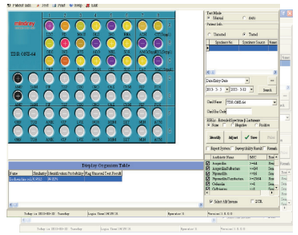
TDR-300B

Microorganism analysis system

Easier microbiology,
Easier diagnostics

Better identification

- Classic test principle: colorimetry
- 10 categories of test cards cover the vast majority of clinical pathogenic bacteria and fungi
- In case the identification probability is low, flag unusual test result and list differentiate test



Efficient drug guidance

- Susceptibility testing principle: turbidimetry
- Microdilution method provide MIC value and S.I.R report
- Custom service: self-definable antibiotics combination
- Timely database update in accordance with the latest CLSI regulations
- Abnormal susceptibility testing results warning and bacteria natural drug-resistance warning.
- Advanced expert system offers better result interpretation

Easy surveillance

- Multi-drug resistance monitoring: MRS, MRSA,
- β-lac, VRE, VRSA, HLAR etc.
  Seamless linkage with WHONET, ensuring easier data statistics

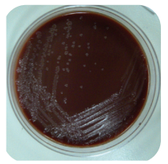
More function

- Capable to communicate with LIS/HIS
- User-definable reporting items and printing mode
- Patient data backup and recovery

Combo ID/AST Test Card

Test Card	Identification Range	Package
TDR ONE-64	Enterobacteriaceae	10 cards + relevant medium
TDR NF-64	Non-fermentative bacteria	10 cards + relevant medium
TDR VIB-64	Vibrionaceae	10 cards + relevant medium
TDR NH-64	Neisseria, Haemophilus and other fastidious bacteria	10 cards + relevant medium
TDR STAPH-64	Micrococcaceae	10 cards + relevant medium
TDR STR-64	Streptococcus	10 cards + relevant medium
TDR CB-64	Coryneform bacteria	10 cards + relevant medium
TDR BAC-64	Bacillus	10 cards + relevant medium
TDR YEAST-64	Yeast-like fungi	10 cards + relevant medium
TDR ANA-64 (coming soon)	Anaerobes	10 cards + relevant medium

Operation procedure



Pick colonies

Prepare bacteria suspension

Inoculation

Panel reading

Reporting

TDR-J100

Automate Dosing System

Technical Specifications:

Sampling principle
Syringe and pump work together for aspirating and dispensing
Display
LED digital screen for displaying test card categories
Sampling range
TDR YEAST-64, TDR BAC-64, TDR STAPH-64, TDR NH-64, TDR STR-64, TDR VIB-64, TDR NF-64, TDR ONE-64, TDR CB-64, TDR ANA-64
Throughput 20 test cards per hour
Accuracy 150±15 uL for single well
Reproducibility CV<5%
Power supply AC100~240V, 50/60Hz
Dimension and Weight
354 mm×410mm×440mm (D×W×H) ; 15kg

TDR-Z200

Microbe Turbidimeter

Technical Specifications:

Principle Turbidimetry
Display
LCD screen for displaying date, time, measuring results and measuring unit
Storage capacity
Internal Clock memory storage can store 20 test results
Accuracy Within ± 0.01 MCF
Reproducibility CV<5%
Power supply
AC220V， 50HZ or DC 1.5V×5 pcs alkaline batteries DC6V~8V 0.2A
Dimension and Weight
240mm (L)×96mm(W)×78mm(H) ; Weight: 3kg
Measuring range and precision
0～6 MCF ; 0.01 MCF