



iSBS

Integrated Sample Banking Solution

iSBS is a total biosample banking solution that automatically vacuum-seals samples such as blood, urine, ascite, cerebrospinal fluid and pleural fluid, semi-permanently for purposes such as disease research, drug research, disease tracking, backup, etc.

Feature

- Semi-permanent storage of specimen(sample) using vacuum seal
- Sample tube barcode label system
- Total solution that includes sample tracking software

- One-of-a-kind system
- Use of radio-frequency instead of heat-sealing ensures sample is preserved

Sample storage using iSBS



Conventional Sample Storage

iSBS

Advantages

Aliquot	Manual aliquoting of sample to each tube	Automatic vacuum sealing of sample	Time and cost saved
Quality	Possible contamination and oxidation of sample	Initial sample quality maintained until use	Semi-permanent quality and immutability of sample
Management	Difficult to quickly find desired sample	Effective sample management through label system and management program	Systematic management of sample allows for quick tracking
Space	32,000 tubes or vials in 600L refrigerator	Up to 32,000 samples each of 5 segments in 600L refrigerator, total 160,000 segments	5 times space utilization
Speed	Depends on the ability of the technician and sample	500 segments per hour	Time and labor saved

Package

Single Package

- Instrument bundle
- VacTube
- VacTube storage box

Full Package

- Sample Bank Management Software (SBMS)
- Label printer
- Label and ink bundle
- 2D barcode scanner

Other disposables

- Extractor

Specification

Main Unit	
Display	3.2" TFT Touch Screen
Sealing Technology	VLS™ (Vacuum-Like Sealing) EMS™ (Electro-Mechanical Sealing)
Sealing Speed	500 segments / hour
Life Expectancy	Semi-permanent
Voltage	110 - 240V / 50 - 60Hz
Power Consumption	Idle: 90 W / Operating : 300 W
Vactube	
Vactube Material	Non-DOP polyvinyl chloride
Volume	1ml or 2ml
Number of Segments	Up to 5 segments
Sterilization	Ethylene oxide gas
Storing Temperature	Up to -86°C
Storage	30,000 samples / 600 liter freezer
Sample Banking Management	
Labeling	Zebra Thermal Printer
Label	2D Barcode & Reader
Software	SBMS 2.0 (Windows XP/7/8/10)
General	
Dimension	330 x 420 x 480 mm
Weight	28kg
Warranty	1 Year

Ambient Temperature	18~28°C
Maximum Humidify	80%