

Specification

Main Unit

Display	3.2" TFT Touch Screen
Sealing Technology	VLS™ (Vacuum-Like Sealing) EMST™ (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	Ethylen 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 Humidity	80%



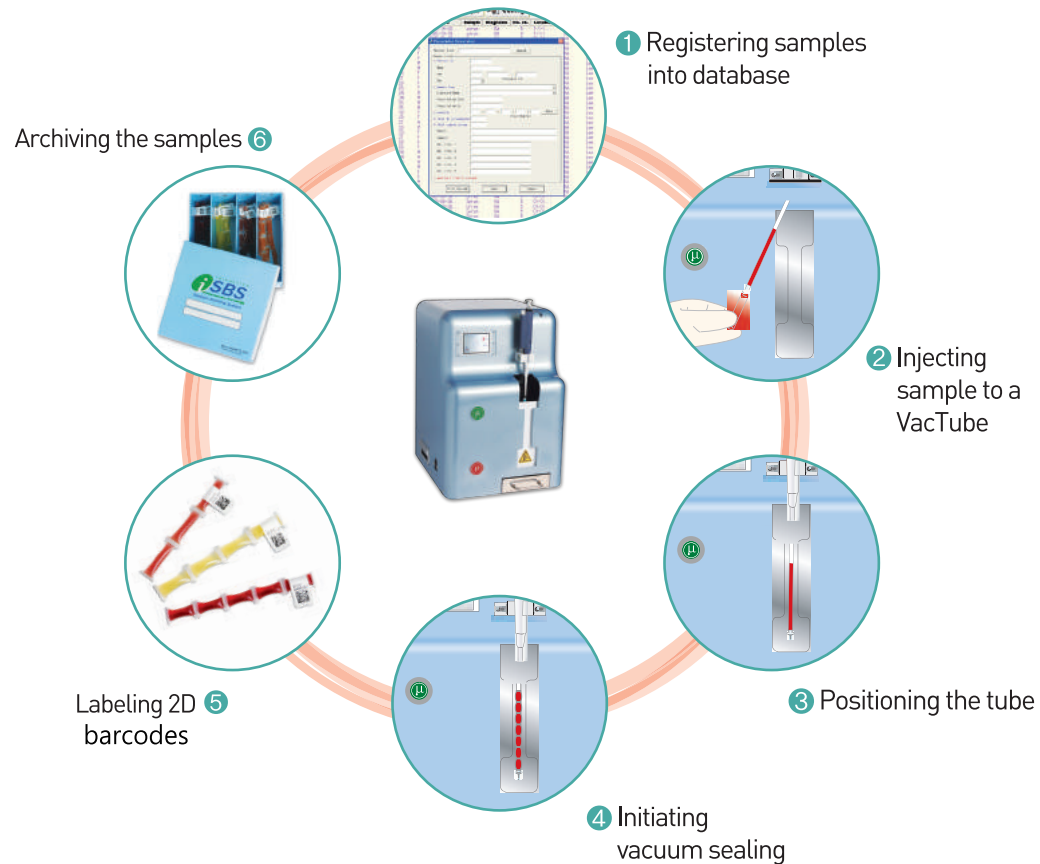
MicroDigital Co., Ltd.

CS-7th floor, 15, Pangyo-ro 228beon-gil,
Bundang-gu, Seongnam-si, Gyeonggi-do,
13487, Rep. of KOREA
TEL : +82-31-701-2225 FAX : +82-31-702-2225
<http://www.md-best.com>



MicroDigital Co., Ltd.

Standard Protocol



Innovative technologies

- Electro-Mechanical Sealing(EMS) : Seals tubes at low temperature, ensuring sample integrity.
- Vacuum Like Sealing(VLS) : Seals tubes in near vacuum to prevent sample oxidation.

Conventional method vs iSBS

	Conventional Method	iSBS	Advantages
Segmentation of Samples	Manual distribution and sealing of samples (100 tubes/hour)*	Automatic distribution and sealing of samples (500 segments/hour)	Automatic and time-saving
Sample Quality and integrity	Limited sample preservation due to Sample oxidation and contamination	Sustain initial integrity of samples thanks to special tubes and VLS technology	Better-maintained sample integrity
Sample Management	No standardized system	Systematic sample management solution with barcode and storage software	Better sample management system for easy sample search and retrieval
Archiving Space	32,000 vials per 600L deep freezer**	32,000 x 5 segments per 600L deep freezer**	5 times more efficient sample storage space management
Special Tube	Generic tubes	Sterilized medical grade sample tubes	Convenient without compromising sample integrity

*may depend on proficiency of the user
**approximation

Consumables and Accessories

