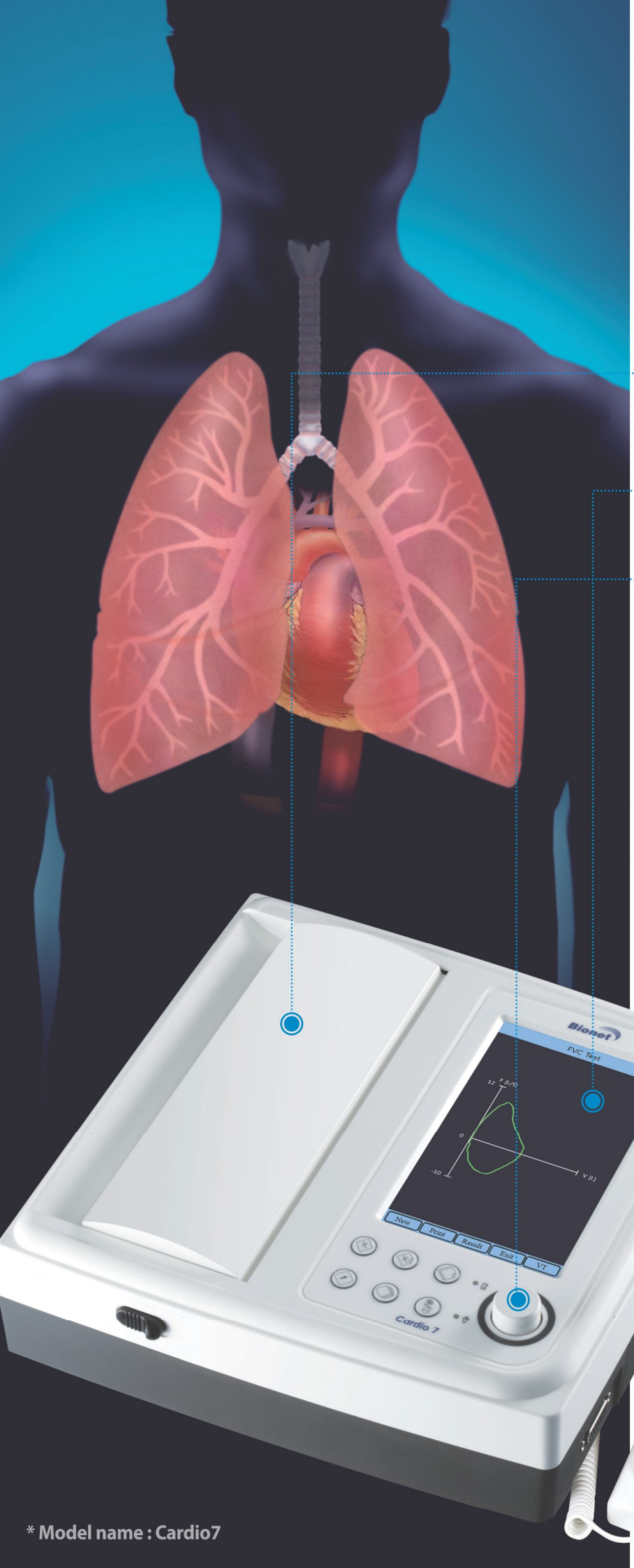
Spirometer

Infection-free Spirometer
Accurate and Hygienic Spirometer

SPM-7

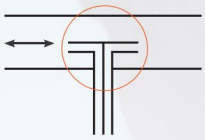
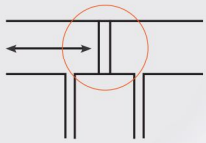
* Convenient A4 size print-outs allow for easy chart filing
* Grid function allows you to use low cost plain fax paper
* Wide and Clear Color TFT LCD
* Touch screen for easy operation
* PRE-POST bronchodilator Comparison
* Rotary Key Access to All Menus
* No Cleaning
  Using disposable mouthpiece patented sensing method

- Breathing Protocol
  - FVC (Forced Vital Capacity)
  - SVC (Slow Vital Capacity)
  - MVV (Maximum Voluntary Ventilation)
- Various Formulas
  Morris-Polgar, ECCS-Quanjer, Kundson-ITS
- Memory for up to 120 patients
- USB Barcode Scanner & USB Memory Storage
- PC compatible through LAN
- Multi-language (English, Russian, French, German, Italian, Chinese, Spanish, Turkish, Polish, Romanian, Portuguese) available



* Model name : Cardio7

Bionet

	Bernoulli's Law	Pneumotachometer	Turbine
structure			
medium	SmarTube™	screen	Propeller or turbine
accuracy	error ratio < 1% (equal air density)	error ratio < 5% (air friction)	error ratio <20% (inertia problem)
	User-friendly Infection-free	High probability of infection because of remain saliva or bacteria.	High probability of infection because of remain saliva or bacteria and low accuracy.

SPECIFICATIONS

Dimension	47(W) × 200(H) × 34(D)㎜, approx.250g
Measuring Values	FVC: FVC, FEV 1.0, FEV 1/FVC, FEF 0.2-1.2L, FEF 25-75%, FEF 75-85%, PEF, FEF 25%, FEF 50%, FEF 75% Extrapolated Volume SVC: SVC, ERV, IRV, TV, EC MVV: MVV, FB, TV
Presentation	Flow volume loop Flow time plot Measurement values table
Measuring range	Flow : 0 to ±14 L/s Volume : 0 to ±11L
Measuring method	Differential pressure method
Prediction equation	Morris-Polgar, ECCS-Quanjer, Knudson-ITS
Sample rate	200 samples/sec
Flow impedance	<0.2 mbar s/l at 12 l/s
Measuring accuracy	Complies with ATS (American Thoracic Society)
Environment	Ambient temperature : 15 to 40℃(59 to 104°F) Relative humidity : 10 to 90%(non-condensing) Atmospheric pressure : 700 to 1060hPa
Standard accessory	Disposable mouthpiece 2 EA Nose clip 1 EA Adapter 2 EA Operation manual 1 EA Disposable mouthpiece 1 box(100 EA)

*Specifications can be changed without prior notification.

Bionet

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