

# Biomixer 550

## Biomixer 550 a new development of scale/mixer for blood banks.

BM550 is a new development of scale/mixer for blood banks. BM550 offers a complete system for blood collection and data registration. BM550 meets the demands of today and in the future for quality control and traceability. You could supervise BM550 on the PC computer in real time during collection.

BM550 has a unique programming capability which makes the blood banks free to choose their own strategy for data registration associated to blood collection and later easily change it according to new global regulations or after their own wishes.

BM550 is ready to be connected to a local network for transferring registration and collection data to a central host computer, on-line registration. This will minimize the risk of exchanging blood bags and offers new possibilities to speed up and improve the succeeding analyse and treatment of blood.

BM550 could also be ordered with wireless module for wireless transmission, internal barcode reader, external barcode reader and a handheld tube sealer. BM550 can be upgraded with these features afterwards if needed.

BM550 offers a complete system for blood collection. Gentle mixing and control of blood collection. BM550 is powered by a mains adaptor or interchangeable battery for both stationary and mobile collections.

- Homogenous mixing of blood and anticoagulant with a well-tested mixing procedure.
- Suitable for all blood bags on the market.
- Continuous display of collection time, flow and volume.
- Back lit display.
- Automatic check of blood flow and collection time.
- Automatic counterbalancing at start of collection.
- Automated calibration.
- Manual and automatic tube clamping.
- Automatic tube sensing in the clamp.
- Pre-programmed standard volumes, easy to change.
- Battery status on display.
- Automatic sleep mode.
- Languages: Russian, English, Spanish, Portuguese, Swedish and more on request.



## Technical data

Power supply:	Mains adaptor 100-240VAC, BM550, 24V730W (also operates as a battery charger) internal battery, Li-Ion, 10,8V2,6Ah for approx. 12 hours operation between charges
Power consumption:	Max 30VA
Fuses (built in):	PTC (self-recovery for overload protection)
Collected volume:	(collected blood) 0-999 ml
Accuracy:	<1% of max weight $\pm$ 1 ml
Tare range:	0-600 g
Mixing cycle:	Selectable between 10-20 cycles/min
Internal data storage:	32.000 characters or a minimum of 80 collections
External data storage:	USB mass storage device. USB type A. FAT32 filesystem
Tube clamp operation:	Tube sensing
Mixing tray motor:	BLDC-motor
PC connection:	USB Micro-B for programming
Network connection:	RS485, 6/4 modular or Ethernet
Barcode reader connection:	Internal (lasre) or external USB type A
Relative humidity/storage:	10-95% not condensing
Operation temperature:	-40C-+70C
Storage/transport temperature:	-40C-+70C
Dimensions:	Mixer unit: 320(L)x180(W)x150(H) mm/ Display unit: 145(L)x110(W)x45(H) mm
Weight:	2 kg



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