Sepax technology

Sepax® 2 cell processing device

Sepax 2 is the new generation of Sepax technology for automated adult stem cell processing. This mobile, closed capability system efficiently processes umbilical cord blood, bone marrow, peripheral blood or other blood-like material, as permitted by applicable regulatory requirements. The fundamental scientific technology relies on a separation chamber that provides both separation through rotation of the syringe chamber (centrifugation) and component transfer through displacement of the syringe piston. An optical sensor measures the light absorbance of the separated components and manages the flow direction of each of them in the correct output container.

	Sepax 2 features
External design	Lightweight housing, single-handed centrifuge pit closure system
Dimensions	W: 27 cm, L: 40 cm, H: 46 cm (10.6” x 15.7” x 18.1”) 16.3 kg (35.9 lbs)
User interface	Color touch screen display, intuitive Graphical User Interface
Electronics and communication	Windows XP Embedded, GMAP, USB and Ethernet
Data saving capability	32 logfiles, 50 patfiles and 50 report files (.pdf)
Core technology	Electrical motor for centrifugation, pneumatic circuitry for piston drive
Optical line sensor	Red/blue transmitted LEDs Red/blue scatters LEDs
Traceability function	Barcode reader with multiple code reading capabilities and desktop printer; Full procedure data management with .pdf report and procedure graph

Unique features

- Sepax 2 is equipped with a newly-developed user interface combining **touch-screen technology** and **active guidance** throughout the procedure. Furthermore, a help guide is integrated to provide live assistance to the user in case of problem.
- Thanks to the intuitive user interface, the user can easily **monitor every step** throughout the whole procedure. Hence, the user knows at any time what is happening and what the machine is doing.
- Precise **tracking of procedure data** including automatic printing of a procedure report with all traceability IDs is integrated, reflecting the importance of efficient and secured traceability of each processed blood unit.
- **The Ethernet connection** port allows connecting the Sepax 2 to the user's network in order to provide **online support** through **secured remote access**.
- **USB communication** is also integrated through several ports, allowing communication with peripherals such as a barcode reader, a printer and a USB key used to store and transfer procedure files to a computer.

Safety and performance

Sepax 2 complies with the directive 93/42/CEE for medical devices, including the electrical safety standard IEC 60601-1. The design control activities have been performed to ensure the safety and performance of the Sepax 2.

Storage requirements

The Sepax 2 should only be operated on a flat, stable, horizontal and clean surface and be used in an open environment to allow sufficient ventilation. The Sepax 2 must only be used/ stored under the following environmental conditions:

	Operation	Storage and Transport
Temperature	+7°C to +27°C	0°C to 50°C
Relative humidity	30% to 75%, non-condensing	20% to 75%, non-condensing

Order information

Sepax 2	Product #14000
Standard Traceability kit	Product #14050
Advanced Traceability kit	Product #14051

Sepax 2 is CE marked and FDA 510(k) cleared.

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