Miltenyi Biotec

LIFE 21® apheresis unit

Therapeutic apheresis at its most convenient

The LIFE 21 apheresis unit is a standalone instrument enabling both plasma separation and treatment. In combination with a variety of TheraSorb® adsorbers it represents the latest advance in the treatment of patients by selective removal of pathogenic substances from the plasma.

- **All-in-one platform**
- **Small extracorporeal volume**
- **Immunoadsorption**
- **Therapeutic plasma exchange**

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LIFE 21 apheresis unit

For immunoadsorption applications, the LIFE 21 apheresis unit performs both the primary separation of plasma and the subsequent plasma loading onto specific adsorbers in a single device. It also manages the cyclic repetitive regeneration and final preservation of an adsorber for repeated use during the treatment of a single patient. Additionally, the LIFE 21 apheresis unit is a powerful platform for therapeutic plasma exchange (TPE).

Advantages at a glance

- All-in-one platform for plasma separation and treatment
- Broad spectrum of treatment options
- Small extracorporeal volume
- Flexibility with double- and single-needle mode
- Low blood and plasma flows without increased risk of hemolysis
- Enhanced performance and usability
- Convenient, intuitive handling
- Small footprint and distinctive appearance
- Easy maneuverability

Quality assured

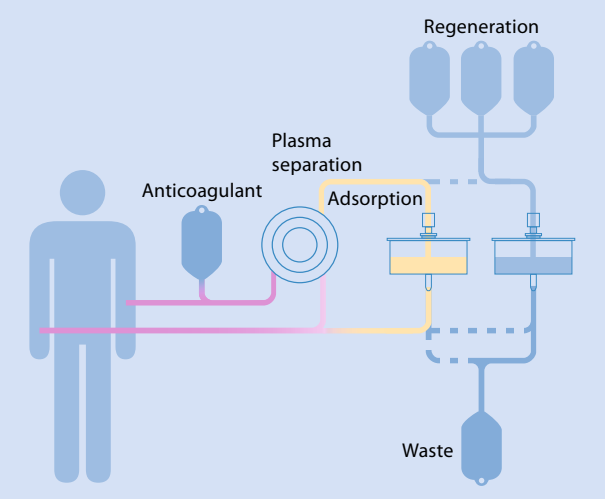
The LIFE 21 apheresis unit is a class IIb medical device. It complies with all essential requirements of the Regulation (EU) 2017/745 (Medical Device Regulation). The device is in conformity with the applicable requirements of the following harmonized European standard EN IEC 60601-1, and its applicable collateral standards EN IEC 60601-1-2 and EN IEC 60601-1-8.

Treatment options

The following therapy modules are available on the LIFE 21 apheresis unit.

- Immunoadsorption of pan-Ig
- Therapeutic plasma exchange (TPE)

Instrument specifications	
Dimensions	58 cm × 65 cm × 155 cm (w × d × h) without infusion stand
Weight	85 kg
Extracorporeal volume (total volume of whole blood, plasma, and cell concentrate)	<200 mL
Mode	Double and single needle
Blood flow	5–120 mL per minute
Operation and monitoring	Supported by graphical user interface
Power consumption	200 W
Power requirements	100–240 V, 50/60 Hz
Back-up power supply	Built-in battery



Schematic illustration of the immunoadsorption procedure.

VISIT

More information on our therapeutic apheresis products is available online.

▸ **miltenyibiotec.com/therasorb**

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All products of the TheraSorb product line are designed, manufactured and tested under a quality system certified to ISO 13485 and are available as CE-marked medical devices in the EU. In the US, select TheraSorb products are available for investigational use under an approved Investigational Device Exemption (IDE) or FDA approval. LIFE 21, the Miltenyi Biotec logo, and TheraSorb are registered trademarks or trademarks of Miltenyi Biotec B.V. and Co. KG and/or its affiliates in various countries worldwide. Copyright © 2025 Miltenyi Biotec and/or its affiliates. All rights reserved.

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