

Plasmat® Futura

H.E.L.P. – The Future of Therapy



H.E.L.P. Apheresis with Plasmat® Futura.
Ease of Use. Safe Technology.

Plasmat[®] Futura

H.E.L.P. Apheresis with Plasmat[®] Futura

H.E.L.P. (Heparin-induced Extracorporeal LDL Precipitation) is a blood cleansing procedure for the long-term management of patients with severe lipid disorders that cannot be adequately treated with conventional methods.

Unique selectivity and efficiency are the hallmarks of H.E.L.P. therapy. H.E.L.P. effectively removes LDL cholesterol, Lp(a), fibrinogen, and C-reactive protein all at the same time, while leaving plasma globulins untouched. As an added benefit, long-term H.E.L.P. produces a gradual increase in HDL cholesterol.

H.E.L.P. apheresis with Plasmat[®] Futura is a safe, effective, and gentle therapy, and is appreciated for its excellent tolerability. Well-documented long-term studies have demonstrated the high efficacy and safety profile of H.E.L.P.

H.E.L.P.

- Indicated in a variety of conditions
- Safe and well tolerated
- Rate of adverse reactions < 2%
- 135,000 documented treatments

Indications for H.E.L.P. Therapy

H.E.L.P. apheresis is successfully applied for the treatment of

- Familial hypercholesterolemia
- Hyperlipoproteinemia(a)
- Transplant vasculopathy
- Sudden hearing loss

Other indications where H.E.L.P. has demonstrated efficacy include prevention of early occlusion after coronary artery bypass graft (CABG) surgery, hyperchylomicronemia-induced pancreatitis, myocardial infarction, unstable angina, diabetic foot, and stroke.



Ease of Use.

Time for What Really Counts

Complex treatments call for easy-to-use equipment. The Plasmatec® Futura system gives you the time you need to care for your patients. Designed for compactness and reduced weight, the Plasmatec® Futura provides built-in convenience. The machine also features casters for maximum mobility and flexibility.

EFFICIENCY

- Ease of use, safe handling
- Low maintenance
- Optimum efficiency through excellent service and support
- Hands-on user training

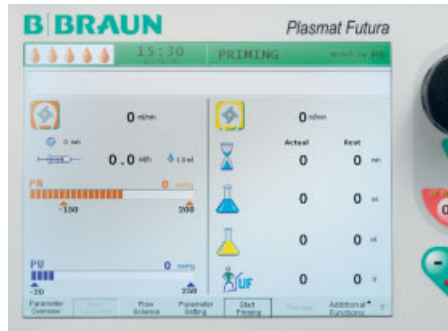
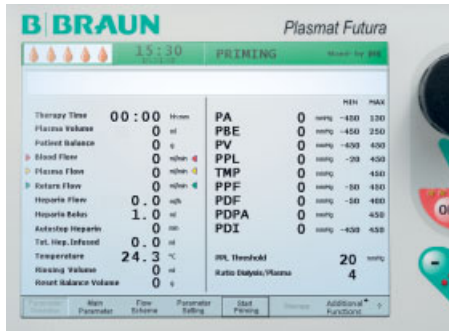
Minimized handling and maintenance work:

- Fully automated priming, rinsing, and reinfusion operations
- The entire treatment uses only disposable materials
- The machine does not need descaling or disinfection
- No piped water supply or reverse osmosis required



Safe Technology.

LDL Apheresis



SAFETY

- Blood leak detector
- Automatic volume check through reinfused plasma fluid control
- Use of PVC-free bags
- Apyrogenicity (no reverse osmosis required)

User-friendly Interface for Easy and Safe Handling

- Clear menu structure
- Clearly displayed and easy-to-adjust treatment parameters
- User is safely guided through all treatment steps
- User support with message prompts and warnings
- Extracorporeal circuit diagram

Preassembled Tubing & Filter System

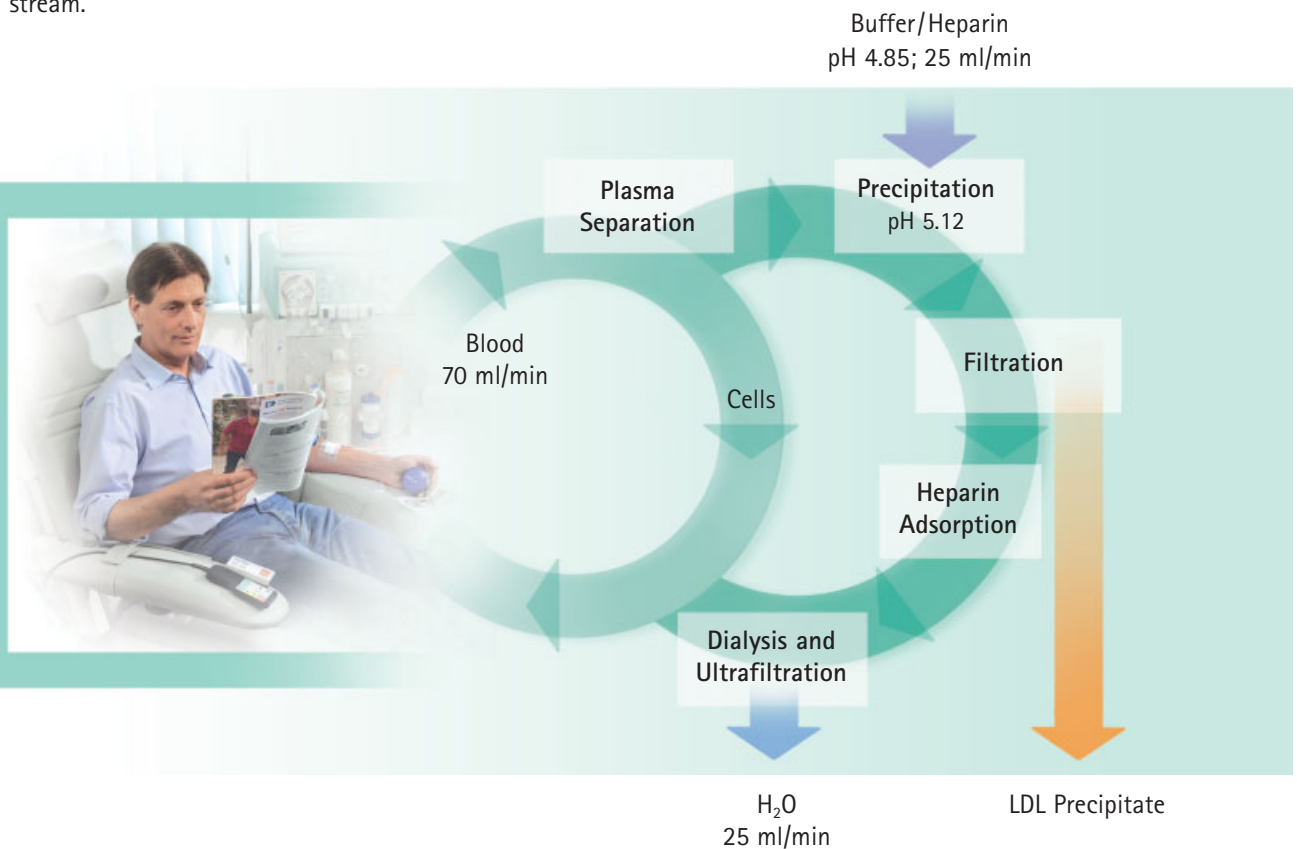
- Single-use sterile disposable set
- Reduced set-up time
- Easy handling
- Maximum safety
- Rapid start of treatment
- Reduced training time



Gentle on the Patient

The patient has blood continuously removed via an arm vein. The blood cells are separated in a capillary plasma filter and immediately returned to the patient's blood-stream.

THERAPY

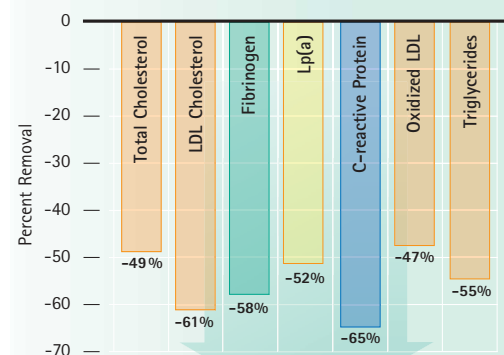


The separated plasma is mixed with a mixture of sodium acetate buffer (pH 4.85) and heparin (100 IU/ml). At a reaction pH of 5.12, H.E.L.P. precipitates the lipoprotein complexes, and these are separated by a precipitate filter.

Cleansed of lipids, CRP, and fibrinogen, the plasma is passed through a heparin adsorber to remove excess heparin. This is followed by bicarbonate dialysis (for pH correction and acetate removal) and ultrafiltration (for volume correction) to restore the plasma to its natural state before returning it to the patient.

Up to 4 liters of plasma can be cleansed in a single H.E.L.P. apheresis session which takes about two hours.

Selective Reduction by up to 65%



Mean reduction of specific plasma constituents in a single H.E.L.P. apheresis session

Your Partner Right from the Start

LDL Apheresis

Hands-On User Training

To give you a lead-in to the efficient use of H.E.L.P. therapy, B. Braun offers hands-on training seminars for physicians and other healthcare professionals.

Organized and administered by B. Braun H.E.L.P. specialists, these small-group training events provide you with profound insights into apheresis, covering the basic concepts of H.E.L.P. apheresis, lipid metabolism, and familial hypercholesterolemia as well as the design and function of the Plasmatec® Futura system. Moreover, you will receive hands-on training in preparing and performing a H.E.L.P. apheresis session.

If you want to offer effective H.E.L.P. apheresis to your patients, our support ranges from national regulatory compliance to setting up H.E.L.P. in your practice or hospital and training your staff on-site.

Technical Service Organisation

Highly qualified service technicians will provide you with help and support in your daily routine work with B. Braun extracorporeal blood treatment systems.

These service technicians will ensure the stable operation of all Plasmatec® Futura systems and perform all maintenance, repair, and statutory inspection work.

The flexibility, superior technical know-how, and uncompromising commitment to service of our technicians guarantee optimum efficiency for your Plasmatec® Futura system.

For further information and service please contact your local service organisation.

Please note that some products might not be available in your country.

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