



# TheraSorb® - Ig omni 5

**REF** 330-000-795

**MD** **CE** 0123

### Product description

Each TheraSorb® - Ig omni 5 adsorber contains 100 mL of Sepharose™ CL-4B suspended in PBS solution with 0.01% azide and 15% (v/v) ethanol. Two different recombinant proteins, binding to the constant regions of human lambda and kappa light chains respectively, are covalently coupled to the Sepharose matrix. The recombinant proteins are produced by *Saccharomyces cerevisiae*.

The cylindrical housing consists of polycarbonate, which is provided with an inflow and an outflow connector. The inflow and outflow connectors (female Luer-Locks) on the top and the bottom of the housing are provided each with a double membrane. The adsorber matrix is retained in the cylindrical corpus between the double layer tissue membranes of the top and bottom side. The lateral port is for production means only. It is prohibited to open this port.

### Intended purpose

The TheraSorb - Ig omni 5 adsorber is intended for the specific removal of human lambda and kappa chains containing immunoglobulins IgG (subclasses IgG<sub>1</sub>-IgG<sub>4</sub>), IgA, IgM, IgE, and immune complexes as well as free lambda and kappa light chains from human plasma in extracorporeal immunoadsorption procedures.

### Areas of application

The TheraSorb - Ig omni 5 adsorber is intended to be used for immunoadsorption treatment of diseases where pathogenic immunoglobulins, lambda or kappa light chains and immune complexes contribute to the onset of a disease or its progression.

A positive benefit-risk ratio has been shown by clinical trials or case series with a moderate scientific value for the use of TheraSorb Ig adsorbers in conjunction with other modes of treatment in the following indications:

- Idiopathic dilated cardiomyopathy NYHA II – IV;
- ABO blood group incompatible living donor kidney transplantation;
- Acquired hemophilia with an inhibitor titer to factor VIII of more than 5 Bethesda Units;
- Pulmonary arterial hypertension NYHA II – III;
- Thrombangitis obliterans (Burger’s disease).

A positive benefit-risk ratio has been shown by case series with a low scientific value for the use of TheraSorb Ig adsorbers, and can thus be used as a treatment option usually within a combination therapy, if all available standard therapies have failed in the following indications:

- HLA incompatible kidney transplantation;
- Antibody mediated rejection after kidney transplantation;
- ABO incompatible hematopoietic stem cell transplantation;
- ABO incompatible heart transplantation;
- Hemolytic uremic syndrome, E. coli O104:H4 mediated;
- Myasthenia gravis/myasthenic crisis;
- NMDA-mediated encephalitis;
- Multiple sclerosis, steroid refractory acute flare;
- Focal segmental glomerulosclerosis, recurrent and idiopathic form;
- Anti-glomerular basement membrane disease (Goodpasture’s syndrome);
- Severe systemic lupus erythematosus;
- Antiphospholipid syndrome in pregnancy;
- Autoimmune bullous skin disease;
- Severe atopic dermatitis.

An indirect clinical benefit can be achieved by the removal of neutralizing anti-AAV antibodies to enable subsequent AAV gene therapy. The initial anti-AAV titer before immunoadsorption shall in general be not higher than 10-fold the threshold titer acceptable for AAV therapy.

### Patient target groups

In general, the treatment is indicated in adult patients above 18 years.

Moderate experience exists for the treatment of children aged 7 months to 18 years. In children with a body weight below 15 kg, special care should be taken with respect to the extracorporeal volume and the application of ACD-A.

Several cases of immunoadsorption during pregnancy were reported, but the overall experience in this setting is still limited. Therefore treatments shall be conducted with special caution after careful evaluation of the indication.

### Intended user

The TheraSorb - Ig omni 5 adsorber is to be used by professional users only. Users must be qualified on the use of the adsorber by a Miltenyi authorized application specialist prior to first use. Regular re-qualification is recommended.

### Contra-indications

- Clinical conditions that prohibit transitory volume changes or loss of plasma constituents other than free lambda and kappa light chains, IgG, IgA, IgM, IgE, and immune complexes (e.g. serum albumin, electrolytes), equivalent to a plasma loss of about 23% per 2-fold processed plasma patient volume;
- Indications that prohibit anticoagulation using Heparin and/or ACD-A-solutions;
- Hypercoagulability;
- Generalized viral, bacterial and/or mycotic infections;
- Severe immune deficiencies (e.g. AIDS);
- Suspected allergies against camelid antibodies or agarose.

### Side-effects and interactions

- Dizziness, headache, drop in blood pressure, peripheral paraesthesia, cardiac arrhythmias, complement activation, hypotension, prolonged bleeding or hematoma after treatment, bradycardia, allergic skin or mucosa reaction, edema, nausea/vomiting, puncture problems, thrombophlebitis, symptomatic hypocalcemia, muscle cramps, fever with shivering, and hemolysis have been described for all extracorporeal therapies.
- During the therapy, minor, unspecific loss of plasma protein or electrolytes occurs. This is caused by the plasma, which is lost to the waste every time an adsorber is regenerated. The loss of plasma constituents is equivalent to a plasma loss of about 23% per 2-fold treated plasma volumes. Therefore, it is recommended to monitor blood chemistry before and after a therapy session.
- Anemia after repeated treatments requiring transfusion was observed in some cases of pediatric applications.
- Activation and elimination of thrombocytes is possible due to the method of plasma separation in the therapy. A decrease in platelet count of app. 17.5% was observed after treating 2-fold the patient’s plasma volume. Therefore, it is recommended to carry out blood control measures before and after the therapy.
- Allergic reactions (e.g. skin or mucosa reaction, pruritus/itching, flush, urticaria, back pain, asthma, Quinke edema) cannot be excluded.
- Heparin-induced thrombocytopenia and hemolysis can occur when heparin is solely used as an anticoagulant.
- For patients with progressive heart diseases, extracorporeal therapies may lead to an increase in angina pectoris due to the extracorporeal blood volume necessary for the therapy.
- A metabolic acidosis or itching cannot be excluded when the adsorbers are insufficiently neutralized. An increase in the pH of the blood within the normal range or metabolic alkalosis can occur with the use of citrate as anticoagulant. If hepatic citrate metabolism is impaired the use of citrate as anticoagulant may result in metabolic acidosis.
- Enhanced drop in blood pressure may occur when treating patients under ACE-inhibitor medication.
- Humanized antibody medications (biologicals) given to the patient will be removed to a certain extent based on the principle of Ig apheresis as well. Non-human antibody medications (e.g. rabbit ATG) may not be bound by TheraSorb - Ig omni 5 adsorbers.

- Interactions with medications, which are not antibodies or parts thereof have not been observed so far, but cannot be completely excluded.
- Increased rate of infections.
- In patients with a central venous access, cases of central line thromboses were described.
- Despite the use of particle filters in the plasma return line of the LIFE apheresis platform, ingress of particles less than 5 µm in diameter into the patient cannot be excluded. Cases of clinical problems due to particle uptake have never been described or suspected in TheraSorb apheresis.

Single cases were described with the following adverse events:

- Perioral and acral paresthesia;
- Dysgeusia;
- Decrease of serum albumin;
- Pneumonia, temporary disturbance in attention;
- Short-term changes in electrolytes, creatinine, hemoglobin, liver function tests or fibrinogen levels are encountered. Immune system components may also be transiently affected, with increased leucocyte concentrations, and activation of the complement system;
- Abdominal pain.

Any serious incident that has occurred in relation to this product should be reported to Miltenyi Biotec B.V. & Co. KG – using the contact information provided – and the competent authority of the member state in which the user of this product is established and in which the patient has been treated.

### Warnings and precautions

#### General

- **The adsorber must only be re-used for the patient to whom it was initially assigned. Otherwise, cross-contaminations and subsequent infections may occur.**
- **Proper hygienic measures must be strictly adhered to when handling the adsorber to avoid microbial and viral contamination, for instance when connecting the adsorber with the extracorporeal fluid path.**
- **The adsorber should not be used if the adsorber or the shrink wrapping are damaged (e.g. cracks in the housing, leaking connectors) or if microbial contamination of the adsorber has been detected or if viral contamination is considered possible.**
- **No blood cells or blood cell particles should be allowed to enter the adsorber. In order to prevent clots from forming in the tubing system and adsorber, anticoagulation and circulation through the device should not stop for prolonged periods of time.**
- **All materials, which have been in contact with blood or plasma must be treated and disposed as biohazardous materials according to standard hospital or institutional requirements and national legislations.**
- **TheraSorb - PBS-Azide is toxic and can cause acute clinical symptoms if mistakenly infused into the patient. The preservation buffer must be completely flushed from the adsorber during preparation by applying the rinsing volume specified below.**
- **For reasons of safety, the PBS-Azide preservation buffer should be brought into the treatment room only upon completion of the treatment session and after disconnection of the patient from the extracorporeal fluid path.**

#### Patient-related

- **Long-term anticoagulation therapy or coagulation deficiencies must be taken into consideration when drawing up the anticoagulation plan for the individual patient. If ACD-A (acid citrate dextrose-A) or other calcium complexing agents are used as anticoagulant, it is essential that the patient’s free (ionized) calcium concentration level is closely monitored and that possible relative hypocalcaemia is reversed by oral or intravenous administration of calcium.**
- **Precautionary measures for careful blood circulation monitoring are recommended.**
- **For patients with known heart rhythm disturbances (or suspected predisposition), anticoagulation using ACD-A must only be performed after rigorous assessment by the physician.**
- **In patients with positive hepatitis serology, Ig-immunoadsorption should only be performed after the most rigorous assessment of indication, because of the possibility of reactivation of the disease.**
- **No information is currently available regarding the use of TheraSorb - Ig omni 5 in nursing mothers. In such cases, TheraSorb - Ig omni 5 therapy should be carried out only after rigorous assessment by the physician.**
- **When treating babies and infants, particular account must be taken of the extracorporeal blood volume required for the therapy. In this case it is recommended to contact the manufacturer.**
- **Special care should be taken in case of suspected allergies against camelid immunoglobulins or agarose.**
- **Patient access must be carefully monitored in order to avoid inflammation and sclerotization of punctured veins.**

#### Method of use

The TheraSorb - Ig omni 5 adsorber is designed for use with plasma only. As plasma passes through the adsorber, light chains, immunoglobulins or immune complexes are specifically bound to the Sepharose-based adsorber matrix by the coupled proteins. The depleted plasma is returned to the patient along with the previously separated blood cells.

For the treatment of one patient two TheraSorb - Ig omni 5 adsorbers (one adsorber pair) are needed. To prevent saturation and to maintain depletion efficacy, the adsorbers are alternately loaded and regenerated several times (= cycles). During displacement of plasma with NaCl and vice versa, a mixing of the two fluid phases cannot be avoided and will cause some plasma to be diverted towards the waste. This type of plasma loss increases with the number of loading and regeneration cycles selected for a procedure. Therefore, the number of cycles for a treatment session is limited to not more than 40. Above this limit, the loss of plasma can be higher than the permissible volume for a plasma donation (650/750/850 mL for a donor with 50-60 kg/60-70 kg/>70 kg body weight). The plasma loss should be considered when selecting the plasma loading volume and the number of loading cycles.

With the limit of 40, the number of cycles and thus the duration of the treatment session, is in the responsibility of the attending physician.

The duration of a session of TheraSorb - Ig omni 5 immunoadsorption therapy depends on the baseline concentration of immunoglobulins or free light chains, the patient’s plasma volume and the targeted end point concentration of immunoglobulins. To reduce the initial Ig concentration by 60%, 1.5–2.0 plasma volumes of the patient are processed, depending on the start value (20 to 25 cycles per session are common). The frequency of therapy sessions depends on the indication and the objective of the treatment. In order to check the results of the treatment, immunoglobulin or free light chain concentrations in plasma or serum should be measured before and after each TheraSorb - Ig omni 5 immunoadsorption session.

**The TheraSorb adsorbers have to be used in combination with the components of the LIFE apheresis platform (provided by Miltenyi Biotec B.V. & Co. KG) as listed below. These components have been tested to safely and efficiently perform an apheresis procedure together with the adsorber. Every LIFE apheresis unit executes the application with unalterable adsorber-specific limits for all parameters.**

**The use of the adsorber in combination with devices or systems from other manufacturers has not been tested by Miltenyi Biotec B.V. & Co. KG and their safe and efficient use cannot be guaranteed by Miltenyi Biotec B.V. & Co. KG.**

In general, for a patient treatment, the specified quality, quantity, timing, and flow rates of the fluids in the extracorporeal fluid path must be observed. To perform a plasma treatment with TheraSorb - Ig omni 5 adsorber, the adsorber must be connected pairwise to an extracorporeal system, which manages priming of the adsorber, blood withdrawal and return, plasma separation and plasma perfusion through one



## Instructions for use – please read carefully

### For the specific removal of human lambda and kappa light chain containing immunoglobulins IgG (subclasses IgG<sub>1</sub>-IgG<sub>4</sub>), IgA, IgM, IgE, and immune complexes as well as free lambda and kappa light chains from human plasma.

adsorber, while in parallel managing all regeneration steps for the second adsorber as well as final regeneration and preservation within the specifications given below. In general, it is mandatory to use the formulations of solutions and their minimum application volumes and maximum flow rates specified by Miltenyi Biotec B.V. & Co. KG.

#### General handling instructions

Please follow the instructions in the user manual. Main handling steps are briefly described below. Please note that the LIFE apheresis platform performs steps automatically unless indicated otherwise. Hygienic measures must be strictly adhered to during set-up, treatment and post treatment proceedings to avoid microbial and viral contamination when connecting the tubing. At all times, pressure in the adsorber must be above atmospheric pressure but may not exceed 1 bar. The pressure difference between adsorber inlet and adsorber outlet must remain below 700 mbar.

#### Preparing the apheresis platform

- During the preparation phase, the patient should not be connected to the fluid path to prevent accidental ingress of fluids.
- Remove the adsorber from the refrigerator and resuspend the adsorber matrix by vigorous “shaking” of the adsorber at the very start of the preparation. The adsorber should be at room temperature before it is connected to the tubing set to avoid damage when opening the connectors.
- (first treatment) Before the first use, check integrity of the shrink wrapping as a damaged shrink wrapping indicates a potential impairment of the sterile packaging. Thereafter, each TheraSorb - Ig omni 5 adsorber must be clearly marked with the patient’s surname, first name, date of birth and the date of first use.
- Click two adsorbers into the adsorber holder.
- (every treatment) Place adsorber holder directly into the mounting bracket of the LIFE device.
- Before connecting the adsorber, the platform is primed (NaCl 0.9% solution) to remove residual air.
- Connect the adsorber in an upright and immobile position to the tubing set. The adsorber inflow is connected with the inflow line connector, and the adsorber outflow is connected with the outflow line connector of the tubing set.
- The tubing set inflow line must contain a deaeration/particle filter (pore size 5 µm) before connecting it to the adsorber inflow.
- A particle filter with a pore size of 5 µm must be present in the plasma return line of the tubing set at all times to prevent the accidental ingress of Sepharose into the patient in case of a defective adsorber retention membrane.
- Make sure the tubing set contains drip chambers in both the blood withdrawal and blood return line as air traps.

Drip chambers and filters are pre-connected to the tubing sets as part of the LIFE apheresis platform.

Each adsorber is flushed with sterile 0.9% NaCl solution (at least 1000 mL before first use and at least 600 mL before subsequent use) at a flow rate of 100 mL/min in order to remove the preservation buffer. Before beginning a treatment session, make sure that all required solutions are properly connected and that all tubing connections are closed properly to form a leak proof seal. Check all parts of the extracorporeal fluid path for signs of leakage.

#### Preparing the patient

Please follow the instructions of the user manual provided by the manufacturer of the device. The LIFE apheresis unit will perform a system integrity test prior to patient connection in the preparation phase of the treatment.

#### Treatment run

Plasma loading and processing are performed automatically by the LIFE apheresis platform. The main steps are summarized briefly below. Plasma is directed through the first adsorber (flow rates: 5 to 40 mL/min, plasma loading volume range 100–400 mL). A suitable “standard” plasma loading volume is 275 mL for each cycle with a flow rate of ~ 30 mL/min, however, it is recommended to adapt the loading volume to the patient’s decreasing pathogen concentration during the course of a treatment session, in order to prevent saturation of the adsorber (this is achieved by choosing the <automatic treatment mode> on the LIFE apheresis unit) in the early treatment phase. It is also recommended to adapt the blood/plasma flow in such a way that the loading volume is reached shortly after the regeneration of the other adsorber is finished to avoid ineffective overloading. When the first adsorber has processed the specified volume of plasma, the plasma is redirected to the second adsorber for further pathogen depletion.

#### Regeneration

While the second adsorber processes the plasma, the first adsorber is regenerated as follows:

1. The 100 mL of plasma in the first adsorber are displaced with 100+24 mL NaCl and returned to the patient (flow rate: 60 mL/min). Reducing this displacement volume will increase the loss of plasma to the waste in this phase of the regeneration.
2. The adsorber is rinsed with a further volume of 200 mL 0.9% NaCl solution, which is then directed to the waste (flow rate: 175 mL/min).
3. Bound pathogens are eluted with at least 325 mL PA pro buffer (pH = 1.6). The acidic pH is required to release the pathogens from the ligand matrix. The solution is directed to the waste (flow rate: 140 mL/min).
4. The acidic solution is neutralized in the adsorber with at least 350 mL phosphate-buffered NaCl (PBS; pH = 7.4, 30 mM PO<sub>4</sub>) to remove remaining unbound pathogen and restore a physiological pH. The solution is directed to the waste (flow rate: 150 mL/min).
5. Each adsorber is flushed with at least 225 mL of 0.9% NaCl solution to remove excess phosphate (flow rate: 175 mL/min) to the waste. The adsorber is now ready for another plasma loading and processing phase.
6. Loading and regeneration cycles are alternately repeated between the two adsorbers until the patient’s plasma volume has been sufficiently processed to achieve the targeted pathogen depletion. The number of loading cycles is limited to not more than 40 cycles.
7. During the displacement of plasma with NaCl and vice versa, a mixing of the two fluid phases cannot be avoided. With a displacement volume of 100+24 mL, as mentioned above, a plasma loss of ~27 mL per cycle can be assumed. The plasma loss per cycle should be considered when determining the number of cycles to keep the plasma loss to clinically safe levels for each patient. Do not choose more than a maximum of 40 cycles for a TheraSorb - Ig omni 5 plasma treatment procedure.

#### Post treatment processing

After a treatment has been completed or prematurely aborted, the plasma in the adsorber, in the tubing set, and the whole blood is returned to the patient. Each plasma filled adsorber is flushed with a minimum volume of 100 mL 0.9% NaCl solution (flow rate: not more than 60 mL/min) and the plasma is returned to the patient.

- After the reinfusion disconnect the patient from the tubing set.
- If testing for microbial contamination in the adsorber shall be performed, take a sample of sufficient volume from the outlet of the adsorber (samples taken after the final extended regeneration and preservation might result in false negative results due to the growth hindrance of the preservation solution).

Each adsorber is finally eluted with at least 1000 mL PA pro (pH = 1.6), which is directed to the waste (flow rate: 100 mL/min). Then each adsorber is rinsed with at least 1000 mL of the PBS-Azide preservation buffer, which is directed to the waste (flow rate: 130 mL/min). The last 100 mL of the buffer is retained in the adsorber to ensure preservation.

After disconnecting the adsorbers from the tubing set the outflow and inflow ports of each adsorber are closed using corresponding sterile Luer Lock caps.

- Resuspend the adsorber matrix by vigorous “shaking” of the adsorber before storage.

#### Storage and shelf life

Until first use the TheraSorb - Ig omni 5 adsorber must be stored in a refrigerator at a temperature of +2 °C to +8 °C (+36 °F to +46 °F). For all subsequent uses the adsorber, positioned in the adsorber holder, is stored upside down in a refrigerator at a temperature of +2 °C to +8 °C (+36 °F to +46 °F). The adsorber may not be used after the use-by date indicated on the label. The adsorber should not be used if it is damaged (e.g. cracks in the housing, leaking connectors) or if microbial contamination is detected.

#### Re-use

The adsorber is designed for up to 5 treatment sessions for one and the same patient if used as specified. Insufficient anticoagulation and incorrect regeneration and preservation can cause plasma to precipitate and block the adsorber matrix, causing insufficient pathogen depletion and neutralization of pH after elution. An acidic pH in the adsorber (<pH 6.5) for prolonged periods after neutralization is an indicator of adsorber deterioration. It is recommended to measure the pH in the adsorber efflux after 105 mL of NaCl have passed through the adsorber in the late cycles of the treatment (attention: on LIFE devices, there is no regeneration after the last and second to last cycle, thus the sampling has to be performed in time).

#### Warranty

The adsorber is supplied sterile. Therefore, the sterility is guaranteed only when the packaging is intact on delivery and until the package seal is broken. The manufacturer accepts no responsibility for damage, which may arise from attempts, on the part of the user, to alter or repair the product or for application outside of the intended use. The adsorber may only be used by appropriately qualified and trained medical personnel. Users must be qualified on the use of the adsorber by a Miltenyi authorized application specialist prior to first use. Regular re-qualification is recommended. Failure to comply with these instructions for use will void the warranty of the manufacturer. Miltenyi Biotec will not accept any liability for use of the adsorber in combination with apheresis equipment of other manufacturers.

#### Components LIFE 18™ apheresis platform

LIFE 18 apheresis unit		REF: 330-000-098
LIFE 18 - Theraline pro	tubing set	REF: 330-000-651
LIFE 18 - Disk Separator	disk separator	REF: 330-000-038
TheraSorb - NaCl	priming solution	REF: 330-000-314
TheraSorb - NaCl pro	priming solution	REF: 330-000-704
TheraSorb - PBS (30 mM PO <sub>4</sub> )	neutralization buffer	REF: 330-000-313
TheraSorb - PBS pro	neutralization buffer	REF: 330-000-682
TheraSorb - PA pro	elution buffer	REF: 330-000-781

#### Components LIFE 21™ apheresis platform

LIFE 21 apheresis unit		REF: 330-000-621
TheraSorb - TS IA 100	tubing set	REF: 330-000-624
TheraSorb - NaCl pro	priming solution	REF: 330-000-704
TheraSorb - PBS pro	neutralization buffer	REF: 330-000-682
TheraSorb - PA pro	elution buffer	REF: 330-000-781

#### General

Large adsorbers accessories package		REF: 330-000-561
TheraSorb - PBS-Azide	preservation buffer	REF: 330-000-053
ACD-A solution	anticoagulation solution	REF: 150-000-438

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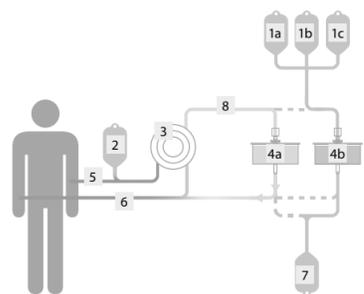




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	EN	DE	IT	ES	FR	NL	TR	SK	CS	SV
	Schematic view of the adsorber treatment in double needle modus:	Schematische Darstellung der Adsorberbehandlung im Double-Needle-Modus:	Vista schematica del trattamento di adsorbimento in modalità a due aghi:	Vista esquemática del tratamiento con adsorbentes en el modo de aguja doble:	Vue schématique du traitement d'adsorption en mode double aiguille :	Schematische weergave van de adsorptiebehandeling met de dubbele naaldmethode:	Çift iğne modunda adsorber tedavisinin şematik görünümü:	Schematický pohľad na procedúru s adsorbérom v dvojžilovom režime:	Šchématické znázornění funkčního principu adsorbéru v režimu se dvěma žilními vstupy:	Schematisk översikt av adsorberbehandling i läge med dubbel nål:
	1a-1c Regeneration solutions 2 Anticoagulant 3 Disk separator 4a-4b Specific adsorber 5 Blood withdrawal line 6 Blood return line 7 Waste 8 Plasma	1a-1c Regenerationslösungen 2 Antikoagulans 3 Disk Separator 4a-4b Spezifischer Adsorber 5 Blutentnahmeleitung 6 Blutrückgabeleitung 7 Abfall 8 Plasma	1a-1c Soluzioni rigeneranti 2 Anticoagulante 3 Disco separatore 4a-4b Adsorbitore specifico 5 Linea di prelievo del sangue 6 Linea di ritorno del sangue 7 Linea di scarico 8 Plasma	1a-1c Soluciones de regeneración 2 Anticoagulante 3 Disco separador 4a-4b Adsorbente específico 5 Línea de extracción de sangre 6 Línea de retorno de sangre 7 Desechos 8 Plasma	1a-1c Solutions de régénération 2 Anticoagulant 3 Disque séparateur 4a-4b Adsorbeur spécifique 5 Ligne artérielle 6 Ligne veineuse 7 Déchets 8 Plasma	1a-1c Regeneratieoplossingen 2 Anticoagulans 3 Disk separator 4a-4b Specifieke absorbeervaten 5 Bloedafnamelijn 6 Bloedretourlijn 7 Afval 8 Plasma	1a-1c Rejenerasyon çözümleri 2 Antikoagulan 3 Disk separatorü 4a-4b Spesifik adsorber 5 Kan çekme hattı 6 Kan geri dönüş hattı 7 Atık 8 Plazma	1a-1c Regeneračné roztoky 2 Antikoagulant 3 Diskový separátor 4a-4b Špecifický adsorbér 5 Vedenie odoberanej krvi 6 Vedenie návratu krvi 7 Odpad 8 Plazma	1a-1c Regenerační roztoky 2 Antikoagulant 3 Diskový separátor 4a-4b Adsorbér 5 Linka odběru krve z těla 6 Linka návratu krve zpět do těla 7 Odpad 8 Plazma	1a-1c Regenerationslösning 2 Antikoagulant 3 Diskseparator 4a-4b Specifik adsorber 5 Blodinsamlings slang 6 Blodreturslang 7 Uppsamlingspåse 8 Plasma
	Medical device	Medizinprodukt	Dispositivo medico	Producto sanitario	Dispositif médical	Medisch hulpmiddel	Tıbbi cihaz	Zdravotnícka pomôcka	Zdravotnícký prostriedek	Medicinteknisk produkt
	Consult instructions for use	Gebrauchsanweisung beachten	Consultare le istruzioni per l'uso	Consultar instrucciones de uso	Consulter les instructions d'utilisation	Raadpleeg de gebruiksinstructies	Kullanma talimatını dikkate alın	Konzultujte pokyny na použitie	Konzultujte návod k použití	Läs anvisningarna före användning
	Caution	Achtung	Attenzione	Atención	Attention	Voorzichtig	Dikkat	Upozornenie	Upozornění	Observera
	Fragile, handle with care	Zerbrechlich, mit Sorgfalt handhaben	Fragile, maneggiare con cura	Frágil, manejar con cuidado	Fragile, manipuler avec précaution	Breekbaar, voorzichtig behandelen	Kırılabilir, dikkatli kullanınız	Krehké, manipulujte opatrne	Křehké, zacházejte opatrně	Ömtåligt, hanteras försiktigt
	Do not use if package is damaged	Bei beschädigter Verpackung nicht verwenden	Da non usare se la confezione è danneggiata	No utilizar si el embalaje está dañado	Ne pas utiliser si l'emballage est endommagé	Bij beschadigde verpakking niet gebruiken	Paket hasarlıysa kullanmayın	Výrobok nepoužívajte, ak je balenie poškodené	Nepoužívejte, je-li balení poškozeno	Använd ej vid skadad förpackning
	Use-by date	Verwendbar bis	Utilizzare entro	Fecha de caducidad	Utiliser jusque	Vervaldatum	Son kullanma tarihi	Dátum spotreby	Použit do	Används före
	Temperature limit	Temperaturgrenzwert	Limite di temperatura	Limitación de temperatura	Limite de température	Temperatuurlimiet	Sıcaklık limiti	Teplotné obmedzenie	Omezení teploty	Temperaturgräns
	Single patient - multiple use	Einzelpatient - Mehrfachnutzung	Singolo paziente - uso multiplo	Paciente único - uso múltiple	Patient unique - usage multiple	Enkele patiënt - meervoudig gebruik	Tek hasta - çoklu kullanım	Jeden pacient - viacnásobné použitie	Jeden pacient - vícenásobné použití	En (1) patient - flerfaldigt bruk
	Patient	Patient	Paziente	Paciente	Patient	Patiënt	Hasta	Pacient	Pacient	Patient
	Sterile fluid path, sterilized using aseptic processing techniques	Steriler Flüssigkeitsweg, sterilisiert durch Anwendung aseptischer Verfahrenstechniken	Percorso per fluidi sterile, sterilizzato con tecniche di lavorazione aseptica	Vía de líquido estéril, esterilizada con técnicas de procesamiento asepticas	Circuit de soluté stérile, stérilisé à l'aide de techniques de conditionnement aseptique	Steriele vloeistoflijn, gesteriliseerd met gebruik van aseptische verwerkingstechnieken	Steril sıvı yolu, aseptik işleme teknikleri kullanılarak sterilize edilmiş	Sterilná dráha tekutiny, sterilizovaná aseptickými pracovními postupmi	Sterilní dráha tekutiny, zajišťována metodami aseptického zpracování	Steril vätskeväg, steriliserad med aseptiska bearbetningsmetoder
	Single sterile barrier system with protective packaging outside	Einfaches Sterilbarriersystem mit Schutzverpackung außen	Il simbolo raffigurato indica la singola barriera sterile del prodotto con confezione protettiva all'interno	El símbolo representado se refiere a la barrera estéril individual del producto con embalaje protector en el interior	Système de barrière stérile simple avec emballage protecteur extérieur	Het afgebeelde symbool geeft de enkelvoudige steriele barrière van het product aan met beschermende verpakking binnenin	Gösterilen sembol, ürünün içi koruyucu ambalajlı tek steril bariyer sistemine işaret eder	Zobrazený symbol znamená jednoduchý bariérový systém výrobku s ochranným vnútorným obalom	Systém na bázi jednoduché sterilní bariéry s ochranným vnějším obalem	Den här symbolen visar att produkten är försedd med en enkel steril barriär med invändig skyddsförpackning
	Non-pyrogenic fluid path	Pyrogenfreier Flüssigkeitsweg	Percorso per fluidi non pirogeno	Vía de líquido apirogénica	Circuit de soluté non pyrogène	Niet-pyrogene vloeistoflijn	Pirojenik olmayan sıvı yolu	Nepyrogná dráha tekutiny	Nepyrognenní oběh	Ej brandfarlig vätskeväg
	Adsorber accessories package	Zubehörpaket für Adsorber	Confezione di accessori per adsorbitore	Caja de accesorios para columna	Carton d'accessoires pour adsorbeur	Accessoirespakket absorbeervat	Adsorber aksesuar paketi	Balenie príslušenstva adsorbéra	Balení doplňkového vybavení adsorbéru	Adsorbertilbehörsförpackning
	Adsorber holder	Adsorberhalterung	Sostegno per adsorbitori	Soporte para las columnas	Support adsorbeur	Absorbeervathouder	Adsorber tutucu	Držiak adsorbéra	Držák adsorbéru	Adsorberhållare
	Patient Chipcard	Patientenchipkarte	Scheda chip del paziente	Tarjeta con chip para paciente	Carte à puce patient	Patiëntenchipkaart	Hasta çip kartı	Číповá karta pacienta	Číповá kartička pacienta	Patient-chipkort
	Catalogue number	Artikelnummer	Numero di catalogo	Número de catalogo	Référence du catalogue	Bestelnummer	Katalog numarası	Katalógové číslo	Katalógové číslo	Katalognummer
	Batch code	Chargencode	Codice del lotto	Código de lote	Code du lot	Lot code	Lot (part) tanımı	Kód šarže	Kód šarže	Satsnummer
	Contents of the packaging	Packungsinhalt	Contenuto della confezione	Contenido del embalaje	Contenu du conditionnement	Inhoud van de verpakking	Paket içeriği	Obsah balenia	Obsah obalu	Förpackningens innehåll
	Unique Device Identifier	Einmalige Produktkennung	Identificativo unico del dispositivo	Identificador único del producto	Identifiant unique des dispositifs	Unieke code voor hulpmiddelidentificati	Benzersiz cihaz tanımı	Unikátny identifikátor pomôcky	Jedinečný identifikátor prostriedku	Unik produktidentifering
	Manufacturer	Hersteller	Fabbricante	Fabricante	Fabricant	Fabrikant	Üretici	Výrobca	Výrobce	Tillverkare
	Date of manufacture	Herstellungsdatum	Data di fabbricazione	Fecha de fabricación	Date de fabrication	Datum van fabricage	Üretim tarihi	Dátum výroby	Datum výroby	Tillverkningsdatum
	Phone	Telefon	Telefono	Teléfono	Téléphone	Telefoon	Telefon	Telefón	Telefon	Telefon