



Miltenyi Biotec



TheraSorb® – Ig omni 5 Adsorber

Effective removal of IgG, IgM, IgA, and IgE

The TheraSorb® – Ig omni 5 Adsorber belongs to Miltenyi Biotec's new generation of adsorbers containing generation of columns containing recombinant antibody fragments as ligands.

- **Low risk of reaction to foreign proteins¹**
- **Removal of free lambda and kappa light chains¹**
- **Designed for 5 treatments¹**

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TheraSorb® – Ig omni 5 Adsorber

The TheraSorb® – Ig omni 5 Adsorber has been carefully designed for the safe extracorporeal treatment of human plasma. It specifically removes human immunoglobulins IgG (subclasses IgG1–IgG4), IgM, IgA, IgE, and immune complexes, as well as free lambda and kappa light chains, as the plasma flows through the column.

Areas of application

The TheraSorb – Ig omni 5 Adsorber is intended to be used for immunoadsorption treatment of diseases in which pathogenic immunoglobulins, lambda or kappa light chains, and immune complexes, contribute to the onset of the disease or its progression. Example applications include:

- Autoimmune disorders caused by autoantibodies^{2,3}
- Disorders caused by pathologically elevated Ig antibodies or free lambda or kappa light chains⁴
- Rejection of allogeneic organ transplants caused by preformed or newly synthesized cytotoxic antibodies^{5,6}

This adsorber is specific for the removal of human immunoglobulin and free antibody light chains from the patient's plasma. Over 70% of circulating IgG can be removed in each of five consecutive sessions using the TheraSorb – Ig omni 5 Adsorber (fig. 1)¹.

Product specifications	
Shelf life	18 months*
Sepharose volume	100 mL
Immunological target	IgG, IgM, IgA, and IgE, free lambda and kappa light chains

*Please note: this adsorber must be stored between 2 and 8° C.

Product	Order no.
Ig omni 5 Adsorber Kit	330-000-818
LIFE 18™ – Ig omni 5 Disposables Set	330-000-844
LIFE 21® – Ig omni 5 Disposables Set Large	330-000-821
LIFE 21 – Ig omni 5 Disposables Set Small	330-000-822

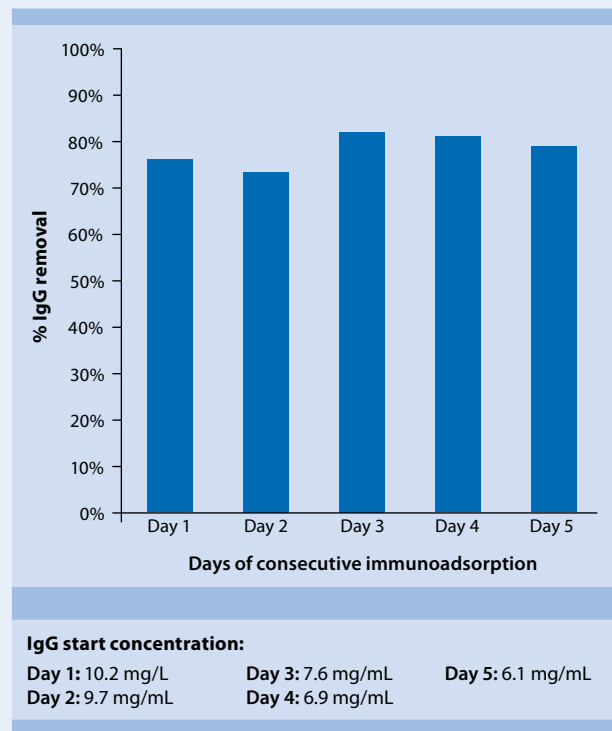


Figure 1: Consistent IgG reduction after *in vitro* immunoadsorption using the TheraSorb Ig omni 5 Adsorber. Simulated immunoadsorption using the same adsorber pair on 5 consecutive days shows a steady removal of remaining plasma IgG. Percentage removal shown for each day indicates the reduction of IgG levels after approximately 1.7x of treated plasma volume was processed using the LIFE 21 Apheresis Unit. On days 1–2, the manual mode (30 mL/min PF, 275 mL loading volume) was used, while on days 3–5, the instrument was set to automatic mode. Please note: we recommend using the automatic mode rather than the manual mode due to a higher efficiency in IgG removal.

References

1. Internal data
2. Zeitler, H. *et al.* (2012) *Transfus. Med. Hemother.* 39: 264–270.
3. Kronbichler, A. *et al.* (2016) *Autoimmun. Rev.* 15: 38–49.
4. Reich, K. J. *et al.* (2016) *Allergy Clin. Immunol.* 137: 1882–1884.
5. Schwenger, V. *et al.* (2010) *Nephrol. Dial. Transplant.* 25: 2407–2413.
6. Becker, L. E. *et al.* (2015) *Transplantation.* 99: 2364–71.



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