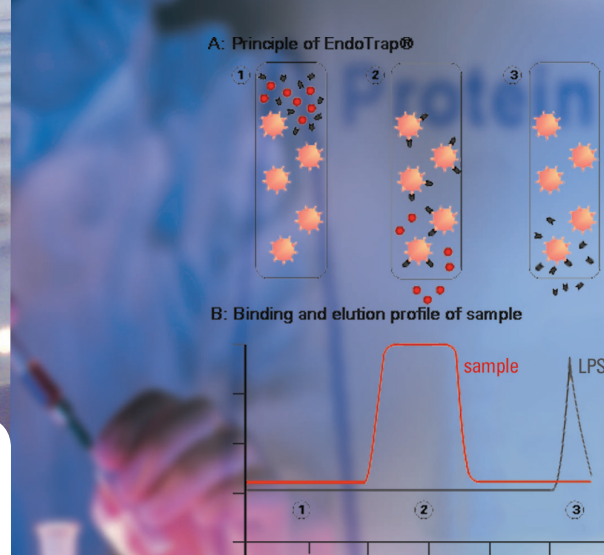




02.01.3



EndoTrap® family

Affinity-chromatography for highly efficient endotoxin removal

EndoTrap® features

- Highly specific and efficient LPS removal from complex mixtures
- Quick and easy to use in column (gravity flow) or batch mode
- Upscaling on fully automated liquid chromatography systems possible
- Average sample/protein recovery > 95%
- Broad pH tolerance, broad pI range of target proteins
- Compatible with commonly used buffers and high salt conditions
- Reusable at least 10 times (EndoTrap® HD)
- Non toxic / not Polymyxin B based

Are your samples or products contaminated with endotoxin?

Ensure accurate results!

EndoTrap® reliably removes endotoxins (lipopolysaccharides/ LPS) from aqueous solutions of e.g. proteins, antibodies, vaccines, DNA and RNA with excellent sample recovery rates. EndoTrap® helps you avoiding artefacts caused by endotoxin contaminations in sensitive in-vitro and in-vivo assays. Furthermore EndoTrap® fulfils the requirements for industrial applications and it can easily be integrated in early or late stage purification processes.

The three members of the EndoTrap® family are EndoTrap® blue and EndoTrap® red for laboratory and research use and EndoTrap® HD for production processes in pharma and biotechnology.

02.01.3

Endotoxin removal efficiency from various samples with EndoTrap® HD

Sample	pI	Sample volume (ml)	Sample conc. (mg/ml)	EU before polishing (EU/ml)	EU after polishing (EU/ml)	LPS removal efficiency (%)	Sample recovery (%)	Ligand leakage (ng/ml)
BSA	4.7	1000	1	577	0.027	> 99.99	96	0.573
IgG	8.3-8.9	1000	1	1317	< 0.025	> 99.99	98	0.334
Lysozyme	10.7	1000	1	255	< 0.025	> 99.99	95	1.40

Publications made with EndoTrap®

The Journal of Infectious Diseases, 2007, 195: 905–912

Characterization of a *Plasmodium falciparum* macrophage-migration inhibitory factor homologue

Cordery DV, Kishore U, Kyes S, Shafi MJ, Watkins KR, Williams TN, Marsh K, Urban BC

The Journal of Immunology, 2008, 181: 5054-5061

Immune Cell Activation by Enterotoxin Gene Cluster (egc)-Encoded and Non-egc Superantigens from *Staphylococcus aureus*

Grumann D, Scharf SS, Holtfreter S, Kohler C, Steil L, Engelmann S, Hecker M, Völker U, Bröker BM

Further publications at www.hyglos.de

EndoTrap® family

Item	Description	Item No.
EndoTrap® blue (1/1, 5/1, 10, 50)*	For use with e.g. HEPES, TRIS, MOPS, MES, PIPES buffered samples	311053, 311063, 311064, 311075
EndoTrap® red (1/1, 5/1, 10, 50)*	For use with e.g. PBS buffered samples	321053, 321063, 321064, 321075
EndoTrap® HD (10, 50, 250, Bulk)*	For biotech/pharma evaluation and production processes	800034, 800035, 800036, 800037
Related Products		
EndoGrade® Ovalbumin (10 mg, 100 mg, 1000 mg, Bulk)	Low endotoxin ovalbumin, < 1 EU#/mg, for allergy research	321000, 321001, 321002, 321003
Endotoxin Detection Service	According to European Pharmacopoeia/ customised on request	800028, 800029
Endotoxin Removal Service	Customised endotoxin removal from various substances with Hyglos technology	311914

*(1/1=1 x 1 ml column, 5/1=5 x 1 ml column, 10=10 ml resin etc.) #1 EU=Endotoxin Unit~ 100 pg of endotoxin/ lipopolysaccharide (LPS)

Learn more about our products and services at www.hyglos.de

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