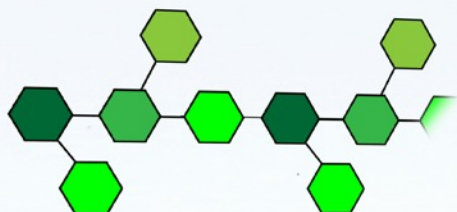


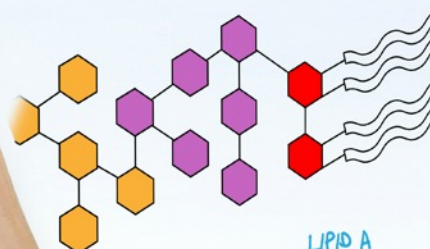
ETOXICLEAR™

new

O-SPECIFIC POLYSACCHARIDE



CORE GLYCOLIPID



LIPID A

ENDOTOXIN REMOVAL ADSORBENT:

- SUPERIOR PERFORMANCE ✓
- PRE-PACKED COLUMNS ✓
- SIMPLE & EASY TO USE ✓

ProMetic BioSciences Ltd (PBL) have developed a high performance synthetic ligand affinity chromatography adsorbent (EtoxiClear™), supplied in disposable ready to use columns, which provide superior endotoxin removal from a wide range of biological solutions and low protein binding.

EtoxiClear™ is highly stable, robust and non-toxic and is designed for use in process development applications and for polishing steps used during cGMP manufacturing of biological molecules.

ETOXICLEAR™ - TECHNOLOGY

Range of
Disposable
Column Sizes

- SPECIFICALLY DESIGNED FOR ENDOTOXIN REMOVAL
- DISPOSABLE READY TO USE COLUMNS
- DESIGNED FOR USE IN PROCESS DEVELOPMENT APPLICATIONS & POLISHING STEPS
- COST EFFECTIVE & SCALABLE TECHNOLOGY
- SUITABLE FOR USE IN GMP ENVIRONMENTS
- HIGH ENDOTOXIN DYNAMIC BINDING CAPACITY
- COMPATIBLE WITH A WIDE RANGE OF PROTEINS
- LOW PROTEIN BINDING (TYPICALLY >90% RECOVERY)
- HIGHLY STABLE, SYNTHETIC, NON-TOXIC AFFINITY LIGAND

ADVANTAGES

OPERATIONAL FLEXIBILITY

EtoxiClear™ is available in a range of pre-packed column sizes providing a disposable, cost effective, simple to use, scalable platform technology designed for endotoxin removal from a wide range of biological solutions.

SUPERIOR PERFORMANCE

EtoxiClear™ provides a high endotoxin dynamic binding capacity of >1,000,000 EU/mL of adsorbent (loading at 120 cm/hr, 5 minute residence time).

The EtoxiClear™ adsorbent provides excellent endotoxin removal from a wide range of proteins across the pI spectrum, with low protein binding (typically >90% recovery) and can be operated in acidic to neutral pH conditions (pH 4.0 to pH 8.0).

ADSORBENT STABILITY

The EtoxiClear™ adsorbent comprises a novel synthetic ligand derived from PBL's Mimetic Ligand™ technology and is coupled to PBL's proprietary PuraBead® 6XL base matrix.

This proven technology, along with high quality packed columns, provides a stable processing unit for use in all standard process buffers and solutions with excellent selectivity for endotoxin.

ESTABLISHED MANUFACTURE

EtoxiClear™ is exclusively manufactured by PBL in our controlled environment manufacturing facility in accordance to an accredited ISO 9001 quality management system and is supported by a comprehensive regulatory support file.

PROPERTIES

Ligand:	Synthetic chemical ligand (proprietary)
Mean particle size:	100 ± 10 µm
Base matrix:	Cross-linked 6% near-monodisperse agarose (PuraBead® 6XL)
Dynamic endotoxin binding capacity:	>1,000,000 EU/mL of adsorbent (120 cm/hr, 5 minute residence time)
Maximum operational flow rate:	Up to 400 cm/hr (EtoxiClear™ 5 mL Column)
Recommended operational flow rate:	Up to 200 cm/hr
Operational pH range:	pH 4.0 to pH 8.0
Chemical stability:	Stable in all commonly used buffers and solutions
Storage:	2-30°C, 20% ethanol/80% 0.1 M NaCl (v/v)



PRODUCT FORMATS

EtoxiClear™ Columns -

EtoxiClear™ is available in a carefully selected range of column sizes with bed volumes of 5 mL, 50 mL and 500 mL with a standard bed height of 10 cm, suitable for process development applications and polishing steps.

For information on larger columns sizes available from PBL please contact us via - sales@prometicbiosciences.com

EtoxiClear™ PuraPlate™ -

EtoxiClear™ is also available in PuraPlate™ 96 column plate format designed for rapid process method development.

Proteus NoEndo Midi Spin Column Kits -

EtoxiClear™ is also available in Proteus NoEndo Midi Spin Column Kits suitable for small scale sample preparations, available via Generon - www.generon.co.uk



GLOBAL SUPPORT

With sales and support offices in North America and Europe, R&D facilities in Cambridge, UK and manufacturing facilities located on the Isle of Man, British Isles and in Joliette, QC, Canada.....

.....we are able to meet your needs and support your application wherever you are

CONTACT US

SALES & TECHNICAL SUPPORT

For more information on EtoxiClear™ either scan the QR code opposite, visit the PBL website or contact our sales team.

If you would like us to organise any in-house training sessions or seminars in your area to learn more about EtoxiClear™, please contact our technical support team.



For sales: sales@prometicbiosciences.com
For tech support: techsupport@prometicbiosciences.com
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