

# AFFINITY / PURIFICATION / SOLUTIONS



We deliver solutions that enable the production of safe and economical therapeutic products -

- PROTEIN PURIFICATION
- CONTAMINANT REMOVAL
- PATHOGEN REDUCTION
- CUSTOM ADSORBENT DEVELOPMENT
- DOWNSTREAM PROCESS DEVELOPMENT

# OUR EXPERTISE

“world leading expert in biopurification products  
- your partner of choice”

Since 1987 ProMetic BioSciences Ltd (PBL) has been pioneering design, development and manufacture of affinity purification technology for lab-scale and industrial-scale bioprocessing.

With over 20 years experience in the development of affinity products and design of new custom adsorbents, PBL is a world leader in its field.

PBL offers an extensive range of off-the-shelf bioseparation products for the recovery and purification of biologicals as well as purification services including bespoke custom designed chromatography adsorbents, process development and *in silico* modelling applications.

Contact us today and let us show you how we can provide you with solutions to your biomolecular purification needs.



## KEY BENEFITS

- EXTENSIVE RANGE OF CHROMATOGRAPHY PRODUCTS
- CUSTOM DESIGNED CHROMATOGRAPHY ADSORBENTS
- OVER 20 YEARS EXPERIENCE
- COST EFFECTIVE
- PROVEN MIMETIC LIGAND™ TECHNOLOGY
- DEDICATED PROFESSIONAL SERVICE
- FULL TECHNICAL SUPPORT & IN-HOUSE TRAINING
- EXPERTS IN ADSORBENT DEVELOPMENT & CHROMATOGRAPHY OPTIMISATION
- PARTNER TO MITIGATE RISK

# BIOSEPARATION PRODUCTS

## ADVANTAGES:

- PROVEN MIMETIC LIGAND™ TECHNOLOGY
- MULTIPLE FORMATS FOR EASE OF USE
- SCALABILITY - FROM BENCH TO PROCESS SCALE
- HIGH PERFORMANCE
- EXCELLENT FLOW PROPERTIES
- PROPRIETARY BASE MATRICES - PURABEAD®
- ROBUST & STABLE ADSORBENTS
- SANITIZABLE USING SODIUM HYDROXIDE
- MANUFACTURED TO ISO 9001 ACCREDITED STANDARD

### GEL SLURRY



- For column packing
- Bench Scale (25 mL to 1000 mL packs)
- Process Scale (single batches up to 275 L)

### PURAPLATES™



- For high throughput process optimisation
- 96 column block format
- 0.25 mL column volume

### COLUMNS



- For attachment to chromatography workstations
- Pre-packed
- 1 mL column volume

## PRODUCT RANGE

|  | Albumin & Albumin-Fusion Proteins | Antibody & Antibody Fragments | General Purification | Glycoprotein Separation | Bio-contaminant Removal | Nucleic Acid Purification |
|--|-----------------------------------|-------------------------------|----------------------|-------------------------|-------------------------|---------------------------|
| Mimetic Blue® 1 P6XL                       | ✓                                 |                               |                      |                         |                         |                           |
| Mimetic Blue® SA P6XL                      | ✓                                 |                               |                      |                         |                         |                           |
| Mimetic Blue® SA HL P6XL                   | ✓                                 |                               |                      |                         |                         |                           |
| <b>NEW</b> Mimetic Blue® SA HL P6HF        | ✓                                 |                               |                      |                         |                         |                           |
| <b>NEW</b> AlbuPure®                       | ✓                                 |                               |                      |                         |                         |                           |
| MAbsorbent® A1P, A2P, A2P LL and A2P HF    |                                   | ✓                             |                      |                         |                         |                           |
| Fabsorbent™ F1P HF                         |                                   | ✓                             |                      |                         |                         |                           |
| Mimetic Red® 2, 3 A6XL                     |                                   |                               | ✓                    |                         |                         |                           |
| Mimetic Orange® 1, 2, 3 A6XL               |                                   |                               | ✓                    |                         |                         |                           |
| Mimetic Yellow® 1, 2 A6XL                  |                                   |                               | ✓                    |                         |                         |                           |
| Mimetic Green® 1 A6XL                      |                                   |                               | ✓                    |                         |                         |                           |
| Butyl, Decyl, Hexyl, Octyl and Phenyl A6XL |                                   |                               | ✓                    |                         |                         |                           |
| Aminophenylboronate A6XL, A6XL LL and P6XL |                                   |                               |                      | ✓                       |                         |                           |
| <b>NEW</b> EtoxiClear™                     |                                   |                               |                      |                         | ✓                       |                           |
| PrioClear™ Adsorbents                      |                                   |                               |                      |                         | ✓                       |                           |
| p-Aminobenzamidine A6XL                    |                                   |                               |                      |                         | ✓                       |                           |
| Perfluorosorb® S                           |                                   |                               |                      |                         |                         | ✓                         |

# QUICK SCREEN PROJECTS

## ADVANTAGES:

- IDENTIFYING AN ADSORBENT FOR YOUR PROTEIN OF CHOICE
- PROJECTS TAILORED TO SUIT YOUR NEEDS
- DESIGN YOUR PROJECT IN 3 SIMPLE STEPS
- FLEXIBLE & COST EFFECTIVE
- RAPID TURNAROUND
- MULTIPLE QUICK SCREEN FORMATS
- DEDICATED PROJECT MANAGERS
- *IN SILICO* MODELLING EXPERTISE
- HIGH THROUGHPUT SCREENING APPLICATIONS



## PROJECT TEMPLATES

| TEMPLATE                        | PROJECT COMPONENTS    |                       |               |                   |                               |                    |                             |              |
|---------------------------------|-----------------------|-----------------------|---------------|-------------------|-------------------------------|--------------------|-----------------------------|--------------|
|                                 | ASSAY DEVELOPMENT (1) | ASSAY DEVELOPMENT (2) | LIGAND DESIGN | LIBRARY SYNTHESIS | LIBRARY SCREENING             | SCALE-UP SYNTHESIS | VERIFICATION CHROMATOGRAPHY | DELIVERABLES |
| <b>OPTION 1</b> [~ 4 weeks]     | ✓                     |                       |               |                   | 1 x EPL (multiple conditions) |                    | ✓ (2 to 4)                  | ✓            |
| <b>OPTION 2</b> [~ 7 weeks]     | ✓                     |                       |               |                   | 1 x EPL ≤10 x DIV             | ✓ (2 to 4)         | ✓ (Up to 6)                 | ✓            |
| <b>OPTION 3</b> [~ 9 weeks]     | ✓                     |                       | 1 x Iteration | ✓                 | 1 x EPL ≤10 x DIV<br>4 x DES  | ✓ (2 to 4)         | ✓ (Up to 6)                 | ✓            |
| <b>OPTION 4</b> [~ 12-14 weeks] | ✓                     | ✓                     | 1 x Iteration | ✓                 | 1 x EPL ≤25 x DIV<br>4 x DES  | ✓ (Up to 6)        | ✓ (Up to 6)                 | ✓            |
| <b>OPTION 5</b> [~ 15-17 weeks] | ✓                     | ✓                     | 2 x Iteration | ✓✓                | 1 x EPL ≤25 x DIV<br>8 x DES  | ✓ (Up to 6)        | ✓ (Up to 6)                 | ✓            |

**KEY:** Iteration – Round of Ligand Design , Library Synthesis & Library Screening, EPL – Existing Products Library, DIV – Diverse Combinatorial Library, DES – Designed Ligand Library

# CUSTOM SERVICES

*"PBL provide an extensive range of services  
- contact us today for more information"*

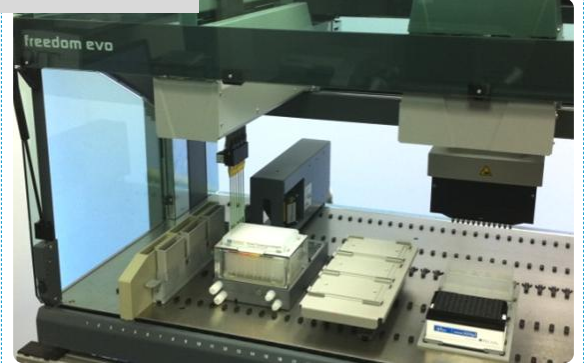
## OPTIONS:

- VIRTUAL SCREENING APPLICATIONS NEW
- LIGAND DISCOVERY PROJECTS
- CUSTOM ADSORBENT DEVELOPMENT
- DOWNSTREAM PROCESS OPTIMISATION
- SINGLE USE / DISPOSABLE COLUMNS
- HIGH THROUGHPUT ADSORBENT SELECTION (TECAN PLATFORM/ ATOLL COLUMNS)
- HIGH THROUGHPUT PROCESS OPTIMISATION
- PLASMA PROTEIN PURIFICATION
- PATHOGEN REMOVAL

PURAPLATE™



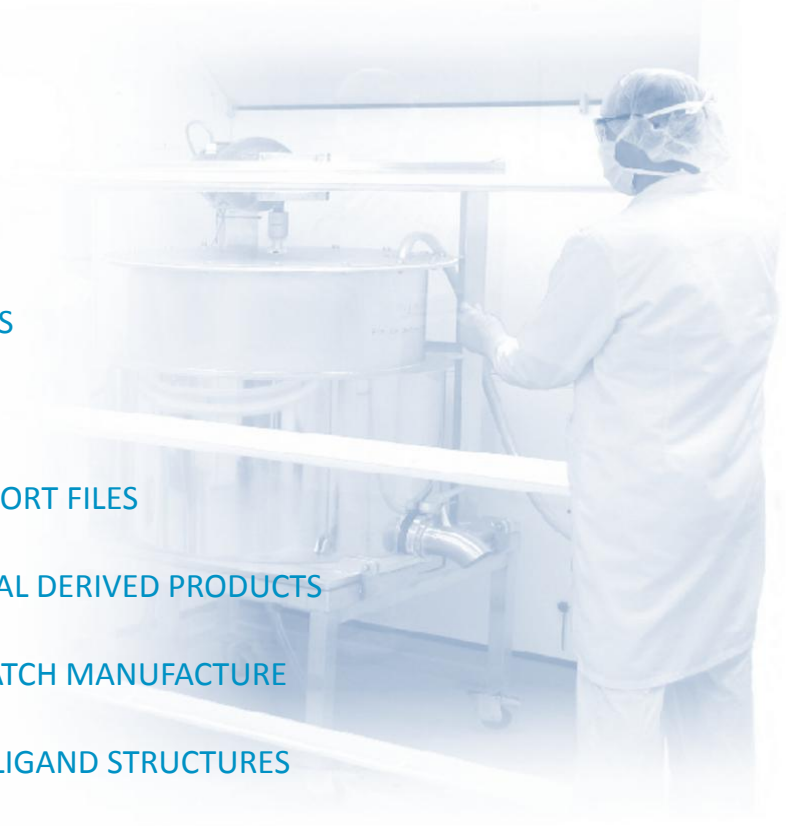
PURAPLATE™ / TECAN



*Photo Courtesy of Tecan*

## RISK MITIGATION

- SECURE SUPPLY CHAINS
- LONG TERM PRODUCT AVAILABILITY
- MULTIPLE END USERS IN INDUSTRY
- SINGLE BATCHES OF UP TO 275 LITRES
- ISO 9001 ACCREDITED STANDARD
- COMPREHENSIVE REGULATORY SUPPORT FILES
- SYNTHETIC, NON-TOXIC , NON-ANIMAL DERIVED PRODUCTS
- HIGHLY REPRODUCIBLE BATCH-TO-BATCH MANUFACTURE
- HIGH PURITY, CHEMICALLY DEFINED LIGAND STRUCTURES



# 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, UK and in Joliette, QC, Canada.....*

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

## CONTACT US

### VISIT OUR WEBSITE

For more information on any of our products, services, latest Company news or to view our 'on-line shop' visit our website:

[www.prometicbiosciences.com](http://www.prometicbiosciences.com)

### SALES & TECHNICAL SUPPORT

Please do not hesitate to contact us for any product specifications, sales information or technical support. Also let us know if you would like us to organise any in-house training or seminars in your area.

**For sales:** [sales@prometicbiosciences.com](mailto:sales@prometicbiosciences.com)

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