

# BioToolomics



Specialists in Innovative Bioprocess Chromatography Adsorbents  
and Disposable Columns

**Accelerating Your Purification Process At Much Reduced Cost**

**we design**

**we manufacture**

**we develop**

**we supply**



**High Capacity Adsorbents**



**Disposable Chromatography Columns**



**Column Packing Service**



**Custom Chromatography Adsorbents**



**Ready-to-Use Chromatography**



**Purification Process Development**





## Introduction

BioToolomics offers a broad range of process chromatography media and disposable columns for various purification applications. Managed under ISO 9001:2008 quality system, our products support either cGMP or non-cGMP manufacturing requirement.

### Key benefits:

- High quality and high performance
- Fast response to customer's request
- Thorough technical support
- Fast delivery
- Competitively priced

## Chromatography Media

A broad range of process chromatography adsorbents are manufactured in our clean and purpose built facility. The pore structure and particle size of each adsorbent is tailored to best suit its targeted purification applications. We have the capacity to produce tens of thousands litres of adsorbents p.a.. For those cGMP purification applications, we provide full regulatory support files.

**SepFast™ ion-exchange media including SepFast Supor, SepFast Capture, SepFast Purifier, SepFast HighRes:** They are useful for primary recovery (or capture), purification and polishing of biological materials.

**SepFast™ HIC media:** They are useful for purification or polishing of biological materials based on hydrophobic interactions.

**SepFast™ Mixed-Mode media:** We develop and supply application-driven mixed-mode media.

**IMAC SepFast™ media and Glutathione SepFast™ media:** They are useful for the purification of tagged protein molecules.

**Protein-A SepFast™ media:** It is used to purify antibodies.

**Pre-activated media including NHS-, CNBr-, thiol-, aldehyde-, epoxy-, amine- and carboxyl- etc.**

### Magnetic chromatography media

### Key features:

- Scalable bioprocess media
- High purification productivity (due to a balanced adsorbent design between high binding capacity and high flow throughput)
- Very competitively priced
- Support your whole scaling up process



## Disposable Chromatography Columns & Column Packing Service

We offer fully scalable disposable columns using our proprietary column design. Our column diameters vary from a few millimetres to hundreds of millimetres. Customers can choose whatever the working bed height. They are ideal tools for predictable and reproducible process development and cost-effective production applications.

We offer different grades of columns for non-cGMP and cGMP applications. For those columns to be used under cGMP, they will be packed inside our cleanroom. Each packed column is fully tested and documented with full traceability.

We have extensive experience in handling various types of chromatography media, such as from soft to rigid, from small particle to large particle, from light particle to dense particle, from polymer particle to inorganic particle, etc.

### Key features:

- Very cost-effective
- Scalable column design
- Wide range of column diameters
- Fast delivery
- Easy to use and store
- Most column material recyclable



## Custom Chromatography Media from BioToolomics

BioToolomics has extensive experience in fabricating chromatography adsorbents. The typical base matrix is made of agarose. According to your special application, we can design the right base matrix structure and the right ligand to match with.

We have the capability to make customised media from a few millilitres to hundreds litres. Regulatory support documents can be provided to meet the requirement of cGMP applications.

### Key features:

- Extensive know-how behind our adsorbent design
- Very reasonably priced
- No work is too small
- Fast turn-around time
- Excellent technical support

## Negative Chromatography Antibody Purification (NCAP) Technology

BioToolomics has developed a unique platform technology, called NCAP, to purify antibodies at very cost-effective way. Instead of capturing a target antibody with expensive affinity media, we propose to capture the impurities but let the target antibody pass through.

A group of ion-exchange and mixed-mode (multi-mode) chromatography media with complementary binding spectrums can be deployed to efficiently remove all the impurities. Such type of media is much more caustic-stable and economic than affinity media.

BioToolomics Limited  
Unit 30A  
Number One Industrial Estate  
Consett  
County Durham, DH8 6TJ  
United Kingdom

Tel: +44 (0)1207 581869  
Fax: +44 (0)1207 582097  
Email: [info@biotoolomics.com](mailto:info@biotoolomics.com)



**BioToolomics**

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

All copyrights reserved.

