

# Sigma-Aldrich Custom Solutions for Chromatographic Purification

Designed by You – Manufactured by Sigma-Aldrich

Who knows more about your chromatographic purification needs than you? Who knows more about getting you what you need than Sigma-Aldrich?

## Custom Resin Processing & Packaging



- Saves time
- Maintains focus on high-value functions
- Reduces operating costs
- Provides improved purification yields
- Delivers consistent and reproducible results

With more than 40 years of separations experience, we provide a wide range of resin innovations to meet the unique demands of process chromatographers. Custom preparation, testing, and packaging are our strengths. We have the selection of resins, facilities, expertise, and documented processes to meet your project requirements.

### Our custom capabilities include:

#### Processing

- Cleaning
- Pre-wetting
- Blending
- Ion Conversion
- Sterilization

#### Testing

- Sterility testing
- Endotoxin testing
- QC analysis

#### Packaging

- Customer-specified containers
- Bulk package sizes (mg to kg)

## Custom Pre-packed Liquid Chromatography Columns & Cartridges



- Consistent quality
- Time savings vs. self packing
- Ready-to-use

When an off-the-shelf product just won't do, we offer the value of custom solutions tailored to your specific requirements, including a variety of packings, housings, and testing options to provide you ready-to-use products that deliver consistent quality and save you time.

#### Packings

- Carbon Adsorbents
- Polymeric Adsorbents
- Ion Exchange Media
- Hydrophobic Interaction Media
- Gel Filtration Media
- Chiral Stationary Phases
- Silica Gels
- Bonded Silica Gels
- Alumina
- Florisil

#### Housings

- Porozorb™ Cartridges
- Rezorian™ Cartridges
- HPLC Columns
- PD-10 Cartridges
- Low-Pressure Glass Columns
- Glass Flash Columns
- Flash Cartridges

#### Quality Control & Testing

- Sterility
- Endotoxin
- User Defined

## Custom Carbon Expertise



- Cleaner and more controlled purifications
- High-quality products
- Tailored to customer needs
- Improved results and process yields

More than two decades of carbon expertise helps us provide the right carbon for your application. We can manipulate the carbon's physical and chemical parameters to achieve your purification objectives and maximize your purification yields.

### Design

- Particle size manipulation
- Porosity manipulation
- Surface chemistry modification

### Processing

- Blending
- Packaging
- Cleaning/washing
- Sterilization

### Packaging

- Customer-specific containers



## Value Beyond the Product

### For Your Unique Purification Needs

- Diverse selection of time-saving, prepacked products, as well as economical and versatile options for self-packing
- Custom products and services tailored to your needs

[sigma-aldrich.com/purification](http://sigma-aldrich.com/purification)

## Glassware Services



- Save Time
- Save Money
- Improve results

### Glass repair offers a cost effective option to purchasing expensive new glassware

Why purchase new glassware when our staff of talented and experienced glassblowers can often repair that expensive piece of broken glassware. You can save as much as 75% compared to the cost of a new purchase. There is no charge to have us examine your broken glassware items to see if they can be repaired – just pay return postage if you decide not to proceed.

### Glassware silanization improves recoveries and results

We offer our deactivation treatment for all of your glassware, vials, and other glass storage containers. High concentrations of silanol groups (Si-O-H) on untreated glass surfaces can catalyze decomposition of unstable compounds or adsorb polar compounds through hydrogen bonding. This can reduce recoveries and result in the formation of unwanted decomposition by-products.

Our glassware silanization service creates a more inert glass surface that eliminates many of these issues. Simply send us your glassware, or request silanol deactivation when you purchase your Supelco glassware to receive a quote for this service. If you wish, we can even provide a certificate of treatment.

### Custom fabrication services deliver one-of-a-kind glassware solutions

If you need a unique creation to perform a special job, we have your solution. We specialize in one-of-a-kind pieces and unusual glassware requests to meet customer specific needs. All we require is a dimensional drawing or sketch and details of any special design requirements. We will then prepare a custom quote to get you exactly what you need.

TRADEMARKS: Porozorb, Rezorian – Sigma-Aldrich Co. LLC

*Enabling Science to  
Improve the Quality of Life*

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