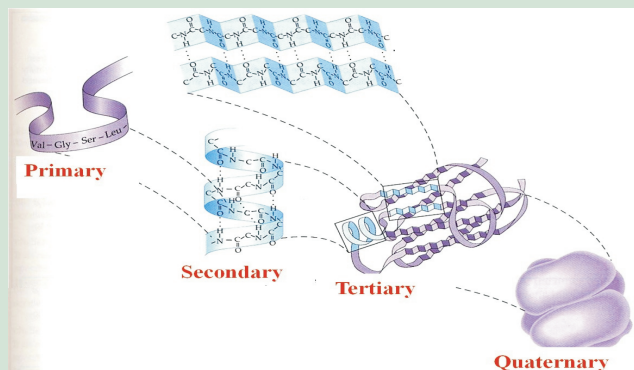




## Sample Preparation Through Sample Detection



### Sample Preparation

**Coral Desalting 96-Well Plates:** High performance 96-well desalting plates containing size exclusion chromatography resin that provides excellent protein desalting performance with high protein recovery in a centrifuge format for 20 to 100  $\mu$ L samples. The plates are designed for high-throughput desalting applications.

**Sephadex Plate:** Orochem Sephadex packed plates provide a very cost effective solution for high performance parallel processing of 96 sequencing reactions by gel filtration.

#### Highlights:

**Easy-to-use-** no cumbersome column preparation or equilibration

**Fast-** no waiting for protein to emerge by gravity-flow.

**High protein recovery-** low non-specific protein binding resin maximizes protein recovery

#### Future Products:

- Detergent Removal Resin
- Abundant Protein Removal Resin
- Lipids Removal Resin
- Endotoxin Removal Resin





## Protein Purification

### Orochem Resin Seeker 96-well Plate Kits

Orochem Resin Seeker 96-well plates are disposable filter plate packed with TOYOPEARL<sup>®</sup> and/or TOYOPEARL GigaCap<sup>®</sup> resins from Tosoh Bioscience and are available in several configurations for ion exchange, HIC, and mixed-mode chromatography. Resin Seeker 96-well plates can be used to screen multiple steps of the purification process including binding, wash, and elution conditions in addition to resin selectivity, binding kinetics, purity, and recovery of your target molecule. Resin Seeker plates can be operated manually using a multi-channel pipette or in an automated system designed for high throughput screening in a 96-well plate format.

#### Products:

Mode	Description	Product Number	Package Description
Anion Exchange Chromatography	ALEX 96-well plate kits	OC41MDAEX-96	Mixed anion exchange plate (20 $\mu$ L resin volumes)
Cation Exchange Chromatography	CIEX 96-well plate kits	OC41MDCEX-96	Mixed cation exchange plate (20 $\mu$ L resin volumes)
Hydrophobic Interaction Chromatography	HIC 96-well plate kits	OC41MDHIC-96	Mixed hydrophobic Interaction plate (20 $\mu$ L resin volumes)
Mixed Mode Chromatography	MMC 96-well plate kits	OC41MDTRP-96	TOYOPEARL MX-Trp-650M plate (20 $\mu$ L resin volumes)





## Affinity Purification



### Highlights:

**Resin-** Agarose based support is cross linked 6% beaded agarose (CL-6B), the most widely used resin for protein affinity purification applications.

**Stable and Inert-** Optimized immobilization manufacturing method provides leach-resistant covalent bonds, resulting in low nonspecific binding and enabling multiple uses without compromising the yield.

**Multiple Formats-** A wide variety to choose from bottled resin slurries, spin columns, complete purification kits and high-throughput compatible 96-well filter plates.

### Products:

- **Activated Supports for Antibody Antigen Purification-** Orochem offers amine-reactive activated support EZ Link Resin to immobilize proteins or peptides. EZ Link 96-well Spin Plates are designed for high-throughput Immobilization of antibodies/antigens.

- **Protein A and Protein G High-Capacity Agarose and Kits**

Orochem Protein A agarose is a versatile, high-performance affinity resin for antibody purification that is available as bottled agarose beads, pre-packed spin columns, 96-well filter plates for high-throughput applications and complete IgG purification kits.

- **His-tagged Protein Purification Resins and Kits**

Orochem Ni-NTA Resin and cobalt-IMAC resin are high-capacity and high-performance resins for routine affinity purification of His-tagged fusion proteins. The resins are available in several package sizes of resin slurry, three sizes of centrifuge-ready spin columns, complete purification kits and 96-well filter plates for high through-put applications.

- **GST-tagged Protein Purification Resins and Kits**

Orochem Glutathione Resin is a high-capacity and high-performance affinity resin for routine affinity purification of GST-tagged fusion proteins from cellular lysates. The resin is available in several package sizes of resin slurry, three sizes of centrifuge-ready spin columns, complete purification kits and 96-well filter plates for high through-put applications.



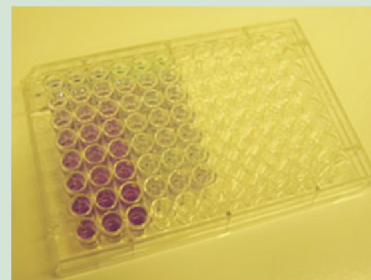


## Protein Assays and Quantitation

Orochem Protein Assays represent the state-of-the-art colorimetric assays for quantitation of total protein. We offer protein assays for a wide variety of applications. Our assays provide exceptional accuracy, compatibility, reproducibility and broad applicability. We also provide stable and sterile filtered bovine serum albumin (BSA) and bovine gamma globulin (BGG) standards.

### Products:

- **BCA Protein Assay Kit**
- **Micro BCA Protein Assay Kit**
- **Coomassie Protein Assay Kit**
- **Orochem PCV Protein Assay Kit**
- **BSA Standard**
- **BGG Standard**



## Protein Staining

Orochem offers a wide variety of total protein stains for visualization of protein bands resolved by gel electrophoresis (SDS-PAGE) including Coomassie based stains and silver stain, the most sensitive colorimetric method for detecting proteins. We also offer protein stains for visualization of protein bands on nitrocellulose and PVDF membranes

### Products:

- **Coomassie Blue Protein Stain Reagent**
- **Silver Protein Stain Kit**
- **Reversible Protein Stain Kit for Nitrocellulose Membranes**
- **Reversible Protein Stain Kit for PVDF Membranes**

