

Protein Purification Techniques

GeNei™ Gel Filtration Chromatography Teaching Kit

Gel filtration also known as size exclusion chromatography is widely used in purification of proteins and bio-molecules on the basis of their size.

The kit gives an exposure to this technique, terminology and parameters used. It also gives hands on experience of a prototype purification of bio-molecules.

The kit provides materials sufficient for 5 experiments.

Materials Provided:

- Gel Filtration column
- Gel Filtration Buffer
- Sample
- Instruction Manual

GeNei™ Ion Exchange Chromatography Teaching Kit

Ion exchange chromatography is a technique in which the bio-molecules are isolated on the basis of their interaction due to the charge acquired in particular medium with charged group on solid support. The solid support and the medium is selected which enables the binding of bio-molecules of interest.

The kit gives an opportunity to learn this technique with hands on experience in purifying an enzyme and monitoring the purity on the basis of its activity.

The kit provides materials sufficient for 5 experiments.

Materials Provided:

- CM Cellulose
- Wash Buffer
- Phosphate Buffer
- Neutralizing Solution
- Bacterial Strain for Assay
- Instruction Manual
- Equilibration Buffer
- Elution Buffer
- Sodium Chloride
- Lysozyme Standard
- Tube for mixing

GeNei™ Affinity Chromatography Teaching Kit

Affinity chromatography is a technique which enables purification of molecules on the basis of their biological function. Almost every laboratory concerned with the purification of biological substances use this technique.

The kit gives an opportunity to learn this technique with hands on experience in purifying an enzyme and monitoring the purity on the basis of its activity.

The kit provides materials sufficient for 5 experiments.

Materials Provided:

- ABTS
- Column
- Crude Sample
- Sodium acetate Buffer
- Elution Buffer
- Hydrogen Peroxide
- Protein Standard
- Solutions I, II and III
- Concanavalin A- Agarose Suspension
- Instruction Manual

Ordering Information:

Product	Size	Cat #
GeNei™ Gelfiltration Chromatography Teaching Kit (Consumables for 5 experiments)	1 Pack	106190
GeNei™ Ion Exchange Chromatography Teaching Kit (Consumables for 5 experiments)	1 Pack	106191
GeNei™ Affinity Chromatography Teaching Kit (Consumables for 5 experiments)	1 Pack	106192

Note: Spectrophotometer is required.