

## Ether polystyrene resin

**Cat. No.** Ether-001P    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Creative Biomart provides series of hydrophobic reaction chromatography media for high efficient separation and purification of a wide range of biomolecules such as proteins, oligonucleotides, and nucleic acids. The hydrophobic reaction resins are composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads.                     |
| <b>Cat.no</b>                   | Ether-001P                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Characteristics</b>          | The Ether polystyrene resin is composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads which contains ether polystyrene. See the characteristics below: spherical structure, optimized pore structure, high chemical and pH stability, high mechanical stability, large scale manufacturing capability, proprietary surface bonding. |
| <b>Average particle size</b>    | 30 µm                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Dynamic binding capacity</b> | 8-35 mg/mL gel                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Recommended flow rate</b>    | 50-300 cm/h                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chemical stability</b>       | Good chemical stability allows the use of the prepacked columns with most commonly used buffers and organic solvents, like for example 0.5 M NaOH, 50% ethanol, 20% isopropanol, 6 M GuHCl and 8 M urea.                                                                                                                                                                       |

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|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| <b>Physical stability</b> | Negligible volume variation due to changes in pH or ionic strength |
| <b>pH working range</b>   | 2-13                                                               |
| <b>pH CIP range</b>       | 1-14                                                               |

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