

## GCSF Purification Resin

**Cat. No.** GCSF-001A    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | GCSF Purification resin is an affinity medium specifically designed for the purification of G-CSF targets from recombinant feed streams.                                                                                                                                                                                                                                              |
| <b>Cat.no</b>                   | GCSF-001A                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Characteristics</b>          | G-CSF (granulocyte-colony stimulating factor) is a hormone stimulating the bone marrow to produce more white blood cells. The features are below:1. Rigid agarose base matrix allows high flow rates and processing of large sample volumes for increased throughput2. Non-mammalian derived product reduces regulatory concerns in the production of G-CSF for clinical applications |
| <b>Size</b>                     | 25 mL, 200 mL, 1L                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Matrix</b>                   | Highly cross-linked high-flow agarose                                                                                                                                                                                                                                                                                                                                                 |
| <b>Average particle size</b>    | 75 µm                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Ligand</b>                   | Recombinant protein (Mr 14 400), produced in <i>S. cerevisiae</i> , with affinity for the protein G-CSF                                                                                                                                                                                                                                                                               |
| <b>Ligand concentration</b>     | Approx. 7,5 mg/ml of medium                                                                                                                                                                                                                                                                                                                                                           |
| <b>Dynamic binding capacity</b> | Approx. 3.9 mg G-CSF/mL medium                                                                                                                                                                                                                                                                                                                                                        |

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|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended flow rate</b> | 600 cm/h                                                                                                                          |
| <b>Chemical stability</b>    | The affinity ligand is immobilized on the agarose base matrix via stable amide bonds.<br>Stable in commonly used aqueous buffers. |
| <b>pH working range</b>      | 3-10                                                                                                                              |
| <b>pH CIP range</b>          | 2-12                                                                                                                              |
| <b>Temperature Stability</b> | 4°C to 30°C                                                                                                                       |

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