

## Ni Agarose high flow

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Ni Agarose is an 4% cross-linked agarose medium covalently coupled to a chelating agent that binds Ni <sup>2+</sup> by four coordination sites for high-affinity purification of polyhistidine-tagged recombinant proteins. High Affinity Ni-Charged Resin has low Ni <sup>2+</sup> leakage, high protein-binding capacity and stability, and is compatible with a wide range of additives used in protein purification. This makes High Affinity Ni-Charged Resin the excellent choice for high performance purification of polyhistidine-tagged proteins. |
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| <b>Cat.no</b> | Ni-001A |
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| <b>Characteristics</b> | Ni Agarose High Flow charged with nickel ions will selectively retain proteins containing a histidine-tag. Histidinetagged protein is then eluted using buffers containing imidazole. For purification of insoluble histidine-tagged proteins (fusion proteins expressed as inclusion bodies) requiring denaturing conditions, up to 8 M urea or 6 M guanidine hydrochloride can be used in the buffers to solubilise insoluble proteins. |
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| <b>Size</b> | 10 mL, 25 mL, 500 mL |
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| <b>Matrix</b> | 4% cross-linked agarose |
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|                              |       |
|------------------------------|-------|
| <b>Average particle size</b> | 90 µm |
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|               |                  |
|---------------|------------------|
| <b>Ligand</b> | Ni <sup>2+</sup> |
|---------------|------------------|

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 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| <b>Dynamic binding capacity</b>  | 20 mg of 6xHis-tagged protein (27 kDa) /ml settled resin |
| <b>Recommended column height</b> | 5-20cm                                                   |
| <b>Temperature Stability</b>     | 4-40 °C                                                  |

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