Product Name: NEBExpress® Ni Spin Columns
Catalog Number: S1427L
Packaging Lot Number: 10120988
Expiration Date: 04/2023
Storage Temperature: 4°C
Storage Conditions: 20% Ethanol
Specification Version: PS-S1427S/L v1.0

NEBExpress® Ni Spin Columns Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1427SVIAL</td>
<td>NEBExpress® Ni Spin Column</td>
<td>10102410</td>
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<tr>
<td>B1077LVIAL</td>
<td>2M Imidazole</td>
<td>10115310</td>
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<tr>
<td>B1076SVIAL</td>
<td>2X IMAC Buffer</td>
<td>10115309</td>
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</tr>
</tbody>
</table>

Assay Name/Specification

Binding Capacity (Resin)
NEBExpress™ Ni Spin Columns (100 µl bed volume) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a His6-GluRS fusion protein for 15 minutes at 25°C, then washed and the His6-GluRS fusion protein eluted. Binding capacity was determined to be ≥1.0 mg of target protein per column.

Pass

Functional Binding Assay (Qualitative)
NEBExpress™ Ni Spin Columns (100 µl bed volume) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a His6-GluRS fusion protein for 15 minutes at 25°C, then washed, eluted and evaluated by SDS-PAGE to confirm low non-specific binding of extract proteins and high isolation of target.

Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.
Alicia Bielik  
Production Scientist  
15 Sep 2021

Michael Tonello  
Packaging Quality Control Inspector  
15 Sep 2021