

# Protein Ark

## HiFliQ IMAC FPLC Columns



Protein Ark HiFliQ columns pre-packed and ready to use with pre-charged Nickel-NTA and Cobalt-NTA Agarose resin for affinity purification of poly-histidine tagged recombinant proteins by immobilized metal ion affinity chromatography (IMAC).

Available in 1 ml and 5 ml HiFliQ column sizes with high binding capacity and minimal ion leakage. Compatible with all common chromatography HPLC and FPLC instruments (including ÄKTA™ FPLC's), and low pressure pumps and syringes using an appropriate adaptor.

### Specifications:

- **Column volume:** 1 or 5 ml resin
- **Column construction:** Polypropylene
- **Resin:** Super Ni-NTA Agarose and Super Co-NTA Agarose
- **Base Matrix:** 7.5% cross-linked Agarose
- **Ni-NTA capacity:** 50-75 mg (per 1 ml resin)  
**Co-NTA capacity:** 40-50 mg (per 1 ml resin)
- **Flow rate:** 1 ml/min (1 ml), 1-5 ml/min (5 ml)
- **Max pressure:** 0.5 MPa (72 psi)
- **Universal 10.32 (1/16") UNF threads:** Inlet Female/Outlet Male
- **Dimensions:** 15 x 80 mm (1 ml), 23 x 80 mm (5 ml)



### Ordering Information

Name	Resin	Column Capacity	Units	Order Code
1 ml HiFliQ Ni-NTA FPLC column, 1 x 1 ml	Ni-NTA	50-75 mg	1 x 1ml	HiFliQ1-NiNTA-1
1 ml HiFliQ Ni-NTA FPLC columns, 5 x 1 ml	Ni-NTA	50-75 mg	5 x 1ml	HiFliQ1-NiNTA-5
5 ml HiFliQ Ni-NTA FPLC column, 1 x 5 ml	Ni-NTA	250-300 mg	1 x 5 ml	HiFliQ5-NiNTA-1
5 ml HiFliQ Ni-NTA FPLC columns, 5 x 5 ml	Ni-NTA	250-300 mg	5 x 5 ml	HiFliQ5-NiNTA-5
1 ml HiFliQ Co-NTA FPLC column, 1 x 1 ml	Co-NTA	40-50 mg	1 x 1ml	HiFliQ1-CoNTA-1
1 ml HiFliQ Co-NTA FPLC columns, 5 x 1 ml	Co-NTA	40-50 mg	5 x 1ml	HiFliQ1-CoNTA-5
5 ml HiFliQ Co-NTA FPLC column, 1 x 5 ml	Co-NTA	200-250 mg	1 x 5 ml	HiFliQ5-CoNTA-1
5 ml HiFliQ Co-NTA FPLC columns, 5 x 5 ml	Co-NTA	200-250 mg	5 x 5 ml	HiFliQ5-CoNTA-5

### Protein Ark Limited

The Innovation Centre, 217 Portobello, Sheffield S1 4DP, UK.

Telephone: +44 (0) 33 33 44 20 25

Fax: +44 (0) 33 33 44 20 25

Email: [info@proteinark.com](mailto:info@proteinark.com)