Nucleus Protocols

Purify Proteins by Ni^{2+} Gravity Column — Bill of Materials

Name	Category	Product	Manufacturer	Part #	Price	Storage	Link
Columns	Columns	Empty Disposable PD-10 Columns	Cytiva	17043501	$258.30	4 °C to 30 °C	link
Ni-His Resin	Resin	NEBExpress Ni Resin	New England Biolabs	S1428S	$358.00	1 °C to 4 °C	link
15 mL centrifuge tubes	Consumables	Corning® 15 mL PP Centrifuge Tubes, Rack Packed with CentriStar™ Cap, Sterile, 50/Rack, 500/Case	Corning	430790	$230.44	4 °C to 30 °C	link
Potassium Hydroxide	Buffers	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	$99.90	4 °C to 30 °C	link
Hydrochloric acid (1M)	Buffers	Hydrochloric acid 1 N, Reagent Grade, Packaging=Amber Bottle, Size=500 mL	VWR	E447-500L	$72.46	4 °C to 30 °C	link
HEPES	Buffers	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	$431	4 °C to 30 °C	link
Imidazole	Buffers	ReagentPlus® Imidazole, Crystalline, 99%	Sigma-Aldrich	I202-500G	$120	4 °C to 30 °C	link
Ammonium Chloride	Buffers	Ammonium chloride, ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	$73.50	4 °C to 30 °C	link

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Sodium Chloride	Buffers	Sodium Chloride, Redi-Dri™ , anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	$133.00	4 °C to 30 °C	link
Potassium Chloride	Buffers	Potassium Chloride, ACS reagent, 99.0-100.5%	Sigma-Aldrich	P3911-1KG	$146.00	4 °C to 30 °C	link
Magnesium Chloride hexahydrate	Buffers	BioXtra Magnesium chloride, Hexahydrate, Powder or Crystals, ≥99.0%	Sigma-Aldrich	M2670-100G	$50.50	4 °C to 30 °C	link
TCEP-HCl (0.5M; presuspended)	Buffers	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl]phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	$175.65	4 °C to 30 °C	link