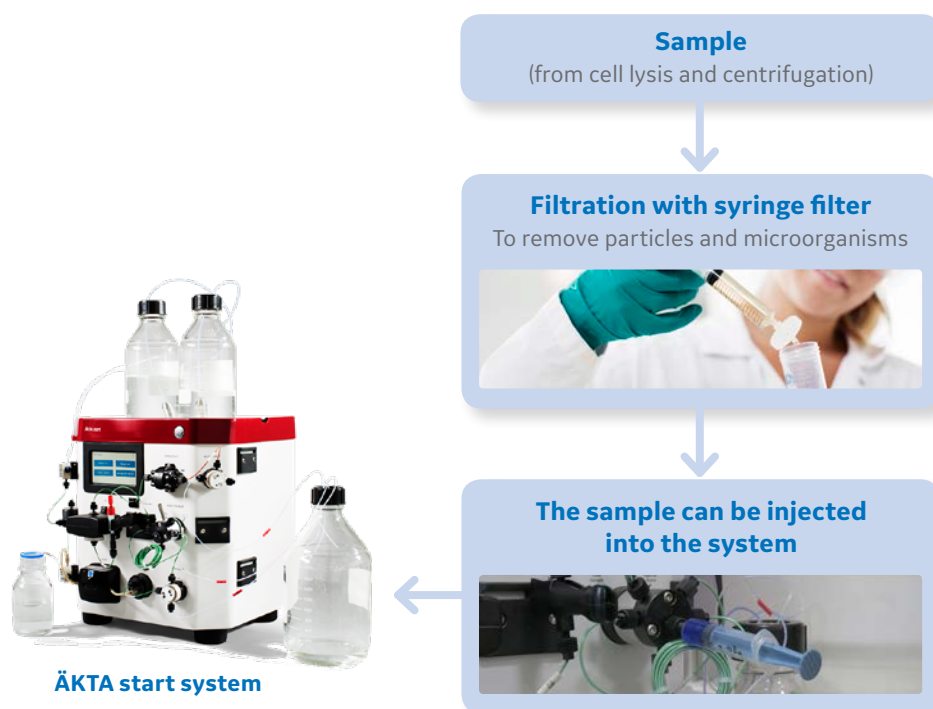




Sample preparation with the Protein Prep syringe filter for ÄKTA™ systems



Protein Prep syringe filter for ÄKTA systems

- 13 mm or 30 mm diameter
- 0.2 µm or 0.45 µm pore size

Tips for choosing the right filter

- Use 13 mm diameter filter for sample volumes < 10 mL
- Use 0.2 µm pore size filter if the particle size of the chromatography resin is < 30 µm

How filtration supports high quality protein sample preparation



High protein purity

The presence of particles can affect purity. Each lot of Protein Prep syringe filters certified for low levels of extractables with downloadable chromatograms.



High protein recovery

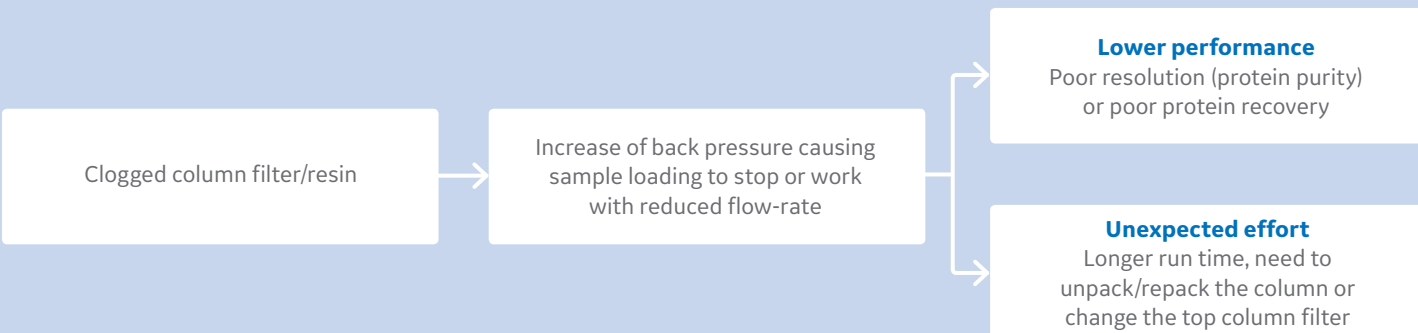
Regenerated cellulose membrane shown to have average protein recovery > 97% and hold up volume < 10 µL (after air purge).



Trouble-free chromatography

Need to prevent back pressure issues and clogging. The Protein Prep syringe filter regenerated cellulose membrane has broad chemical compatibility with common solvents.

What may happen if the sample is not filtered?





Chemical compatibility of the regenerated cellulose membrane

Solvent	Compatibility	Solvent	Compatibility	Solvent	Compatibility
Acetic acid, 5%	R	Cyclohexane*	R	Methyl ethyl ketone	R
Acetic acid, glacial	NR	Diethyl acetamide	R	Methylene chloride*	R
Acetone	R	Dimethyl formamide	LR	Nitric acid, conc*	NR
Acetonitrile	R	Dioxane	R	Nitric acid, 6N*	LR
Ammonia, 6N	LR	DMSO	LR	Nitrobenzene*	R
Amyl acetate	R	Ethanol	R	Pentane*	R
Amyl alcohol	R	Ethers*	R	Perchloro ethylene*	R
Benzene*	R	Ethyl acetate	R	Phenol 0.5%	R
Benzyl alcohol*	R	Ethylene glycol	R	Pyridine	R
Boric acid	R	Formaldehyde	LR	Sodium hydroxide, 6N	NR
Butyl alcohol	R	Formic acid	LR	Sulfuric acid, conc*	NR
Carbon tetrachloride*	R	Hexane	R	Tetrahydrofuran*	R
Chloroform*	R	Hydrochloric acid, conc*	NR	Toluene*	R
Chlorobenzene*	R	Hydrofluoric acid*	NR	Trichloroethane*	R
Citric acid	R	Isobutyl alcohol	R	Trichloroethylene*	R
Cresol*	R	Isopropyl alcohol	R	Water	R
Cyclohexanone	R	Methanol	R	Xylene*	R

R = Resistant

LR = Limited Resistance

NR = Not Recommended

* Short-term resistance of housing

The above data is to be used as a guide only.

Testing prior to application is recommended.

Ordering information

Description	Diameter (mm)	Pore size (µm)	Quantity per pack	Catalog number
Protein Prep filter for ÄKTA systems	13	0.2	150	10463103
Protein Prep filter for ÄKTA systems	13	0.45	150	10463113
Protein Prep filter for ÄKTA systems	30	0.2	150	10463043
Protein Prep filter for ÄKTA systems	30	0.45	150	10463033

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