

## Proteus Detergent Anion Exchange Mini Spin Columns



Protein Ark's novel Proteus Detergent Anion Exchange (DetEx) Mini Spin Columns designed for rapid and effective removal of free detergents micelles and complete detergent exchange. They are optimized for membrane proteins with  $pI < 8$  in complex with non-ionic or zwitterionic detergents. Simple and adaptable to your protein requiring only a microfuge for operation.

Ideal for applications such as ELISA, IEF, MS and NMR which suffer from interference with excess detergents.

### Features:

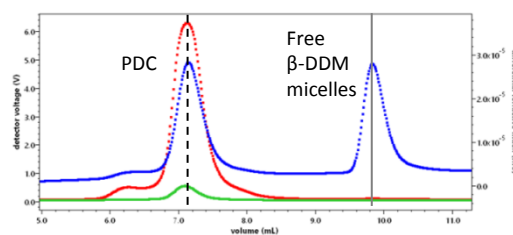
- **Weak Anion Exchanger for binding membrane proteins with  $pI < 8$**
- **Complete detergent exchange/removal**
- **Column bed volume: 0.2 ml**
- **Max sample loading volume: 0.4 ml**
- **Typical protein binding capacity: 2 mg**
- **Elution in a small volume (minimum volume 50  $\mu$ l)**

### Benefits:

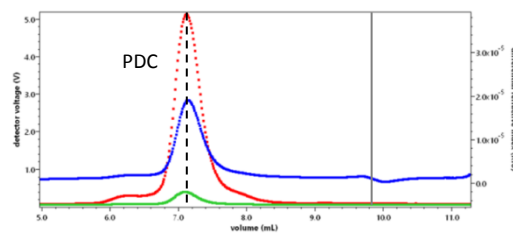
- **Universal appeal as most proteins have a  $pI$  between 4-8**
- **Rapid removal and exchange of free detergent micelles in 10 min**
- **Generate concentrated protein free of detergent micelles**
- **Only requires a microfuge for use**

### Ordering Information:

A. Membrane protein prior to detergent removal.



B. Membrane protein after micelle removal using a Proteus DetEx Mini Spin Column.



SEC-MALS analysis of membrane protein PDC (Dimeric PSII complexes) prior to detergent removal (A), and after detergent removal using a DetEx Mini Spin Column (B). Light Scattering (LS) data is shown in red, Refractive Index (RI) data in blue and UV data in green. LS and RI scales are shown in the left and right-hand axes respectively.

Name	Column Capacity	Spin Columns	Order Code
Proteus Detergent Anion Exchange Mini Trial Pack	2 mg	4	PAL-MINI-4
Proteus Detergent Anion Exchange Mini Kit	2 mg	20	PAL-MINI-20

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