



Proteus NoEndo™ μ (Micro) Spin Column Kits Protocol

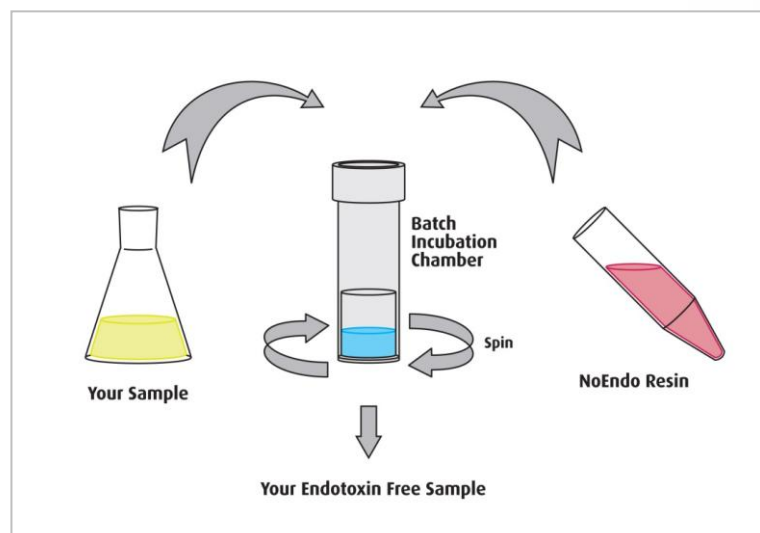
Materials Supplied in the Kit:

- Vials containing NoEndo™ resin (50% NoEndo slurry).
- 2.2 ml centrifuge tubes.
- Proteus NoEndo μ spin column (600 μ l capacity in a fixed angle microfuge).

Additional Materials Required:

- 0.2 μ m syringe filters for clarification (We recommend Proteus mini-clarification spin columns from Protein Ark Ltd. Order code # GEN-MSF500 (100 pcs, 0.2 μ m low protein-binding PVDF membrane)).
- Low endotoxin pre-equilibration buffer (PBS recommended).
- 2.2 ml centrifuge tubes.
- A 45° fixed angle rotor in a microfuge capable of handling 2.2 ml centrifuge tubes (diameter 11 mm).
- Quartz cuvettes for UV absorbance measurements.
- UV/VIS spectrophotometer.
- Pyrogen-free test tubes, pipettes and buffer for Endotoxin Assay.

Endotoxin Removal Protocol:



Recommended Protocol:

PRE-EQUILIBRATION

1. Transfer the spin column barrel to a fresh 2.2 ml centrifuge tube and load your required volume of filtered sample. The maximum sample volume is 600 μ l. Close the lid and vortex for 15 seconds to mix the sample and the NoEndo™ resin. Repeat the vortexing every 15 min for 1 hour. To achieve final endotoxin loads, < 0.1 EU/ml, a further batch incubation of 1 hour may be required.

NOTE: If the sample needs filtering, use a Proteus Mini clarification spin column (Protein Ark Cat # GEN-MSF500, 0.2 μ m pore size, 100 pc).

2. After batch incubation, centrifuge the column at 13,000 x g for 20 sec and collect the eluate. Spin times may need to be increased if the sample is not correctly filtered.

NOTE: If using one spin column, ensure that the spin column is counterbalanced with a unit of equal weight (adjusted with distilled water)

PURIFIED SAMPLE

3. The eluate contains the target protein, largely depleted of endotoxin, and is now ready for further downstream analyses.

NoEndo™ and FlowGo™ are trademarks of Protein Ark Limited.

Technical Support:

The complete user guide for the Proteus NoEndo™ μ spin column kits is available for download.

For further information please visit the website www.proteinark.com or contact us via:

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

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

Email: info@proteinark.com