Isolation of Extracellular Vesicles

REMOVAL OF SAMPLE CONTAMINANTS

Removal of Plasma Proteins

- Low levels of protein contaminants in enriched EV samples
- Efficient and fast sample washing

Removal of Plasma Lipoproteins

- All lipoprotein-related proteins less abundant using AcouTrap
- EV protein composition similar to centrifugation – but with less contaminants
- Pure EV samples ideal for proteomics

Bottom data provided by author of:
Comparative Proteomic Analysis of Extracellular Vesicles Isolated by Acoustic Trapping or Differential Centrifugation
Removal of Urine Contaminants

TEM images show EVs recovered from urine using AcouTrap or ultracentrifugation

- No Tamm-Horsfall protein fibers found in AcouTrap samples
- High purity urine EVs using AcouTrap
- No need for harsh reducing agents
- No recovery loss due to EV encapsulation

TEM images provided by author of:
Ku et al. Anal. Chem. 90, 2018
Acoustic Enrichment of Extracellular Vesicles from Biological Fluids