



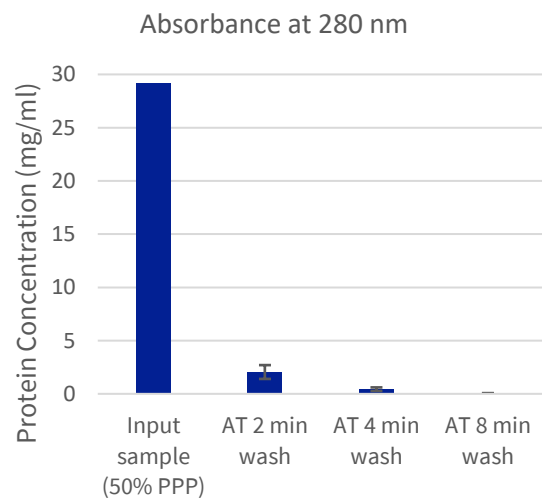
AcouTrap

Isolation of Extracellular Vesicles

REMOVAL OF SAMPLE CONTAMINANTS

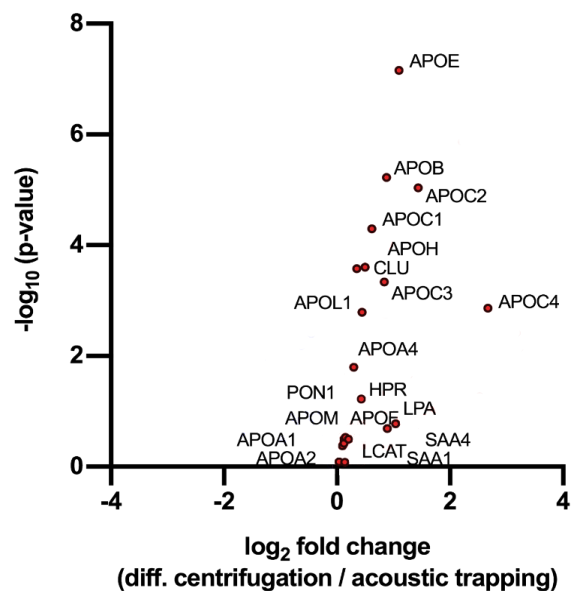
Removal of Plasma Proteins

- 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:

Rezeli et al. Anal. Chem. 88, 2016

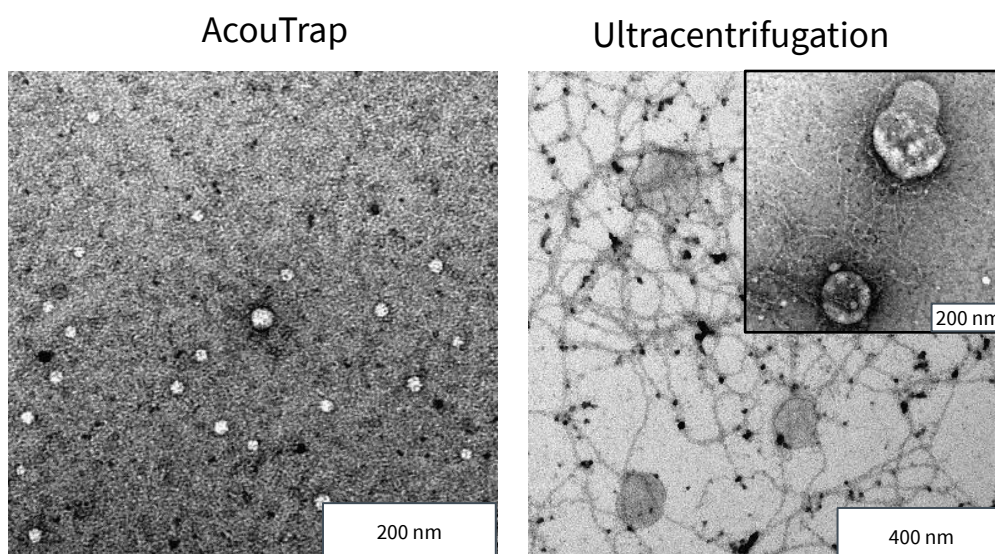
Comparative Proteomic Analysis of Extracellular Vesicles Isolated by Acoustic Trapping or Differential Centrifugation



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