APPLICATION NOTE

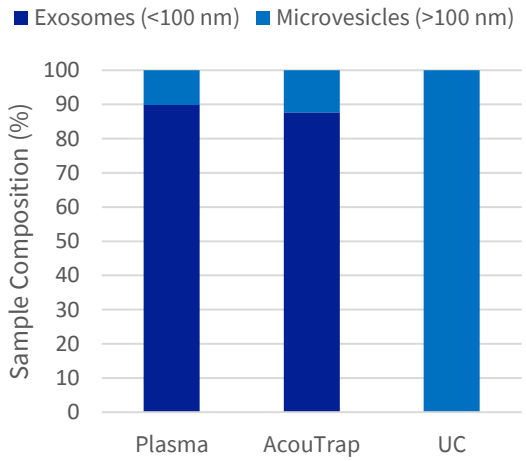
AcouTrap

Isolation of Extracellular Vesicles

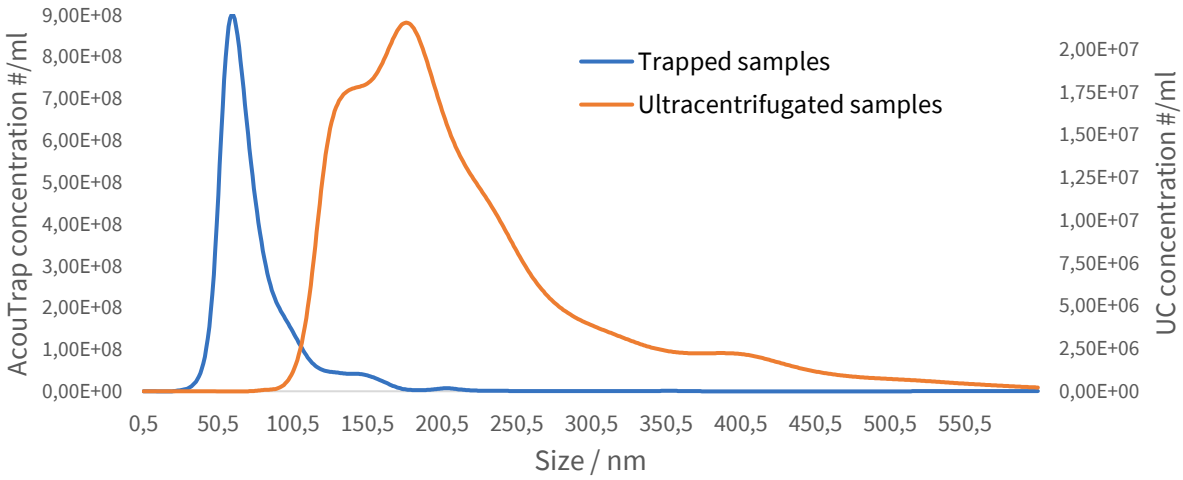
EXOSOME ISOLATION

Gentle Isolation with Retained Sample Integrity

- AcouTrap isolation preserves size distribution of plasma exosomes
- Higher yield of exosomes compared to ultracentrifugation
- Ultracentrifugation subjects vesicles to high forces and creates a shift in size, possibly caused by aggregation and fusion



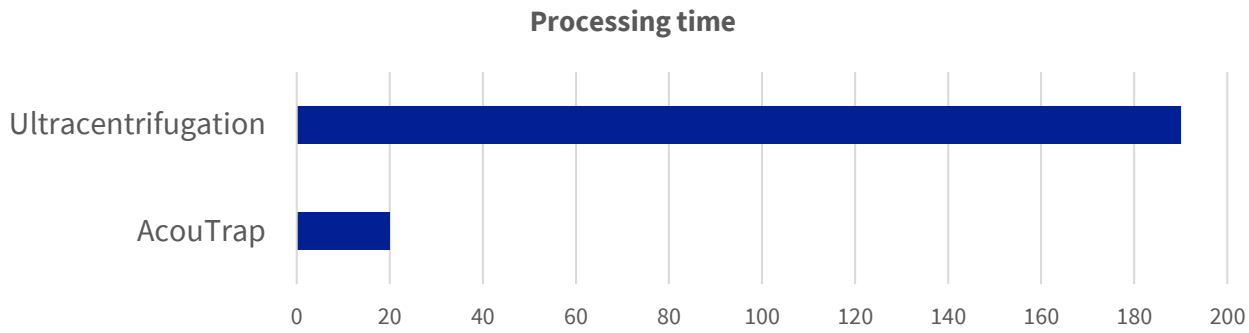
Size Distribution



Platelet-free plasma exosomes were isolated using either AcouTrap or ultracentrifugation (2x 95 min at 100 000 *g*). The samples were analyzed using Nanoparticle Tracking Analysis (NanoSight LM10).

AcouTrap Enables Fast and Automated Processing

- Isolation of plasma exosomes in only 20 minutes
- Gentle and non-contact
- Fully automated – no manual steps after sample is loaded
- Low volumes – suitable for biobank samples
- Ultracentrifugation protocols often take several hours, include multiple manual steps and require large volumes



Plasma exosomes were isolated using either AcouTrap or ultracentrifugation (2x 95 min at 100 000 *g)*. The samples were analyzed using Nanoparticle Tracking Analysis (NanoSight LM10).