



AGC spin column for Exosome Isolation

Easy and Fast protocol >>>



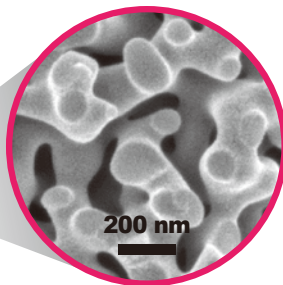
Check Protocols

High yield of RNA

>>>



Check Recovery amount



[SEM image]

Key technology

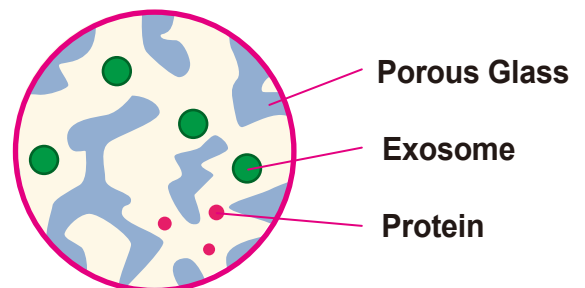
Porous Glass

- 3D-dimensional network
- Sharp pore size distribution
- Low protein attachment

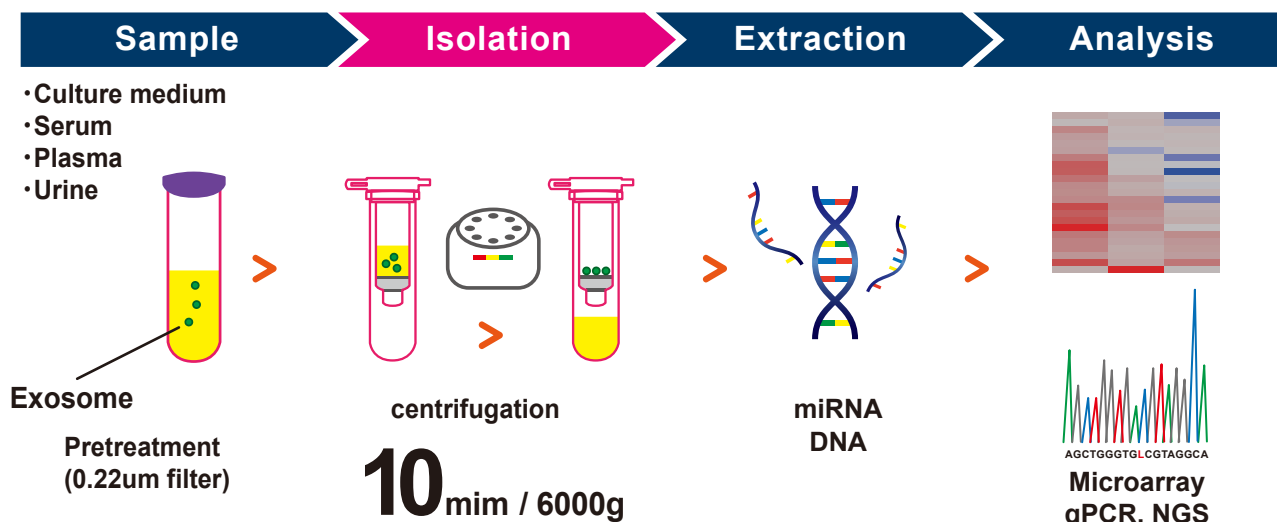
Capture mechanism

Chromatography :

Exosome remains in porous glass structure
(3D-dimensional network)



Protocols



Exosome capture images

Exosomes were collected from cell culture supernatant of HpG2 cells by AGC spin column. They were observed by SEM.

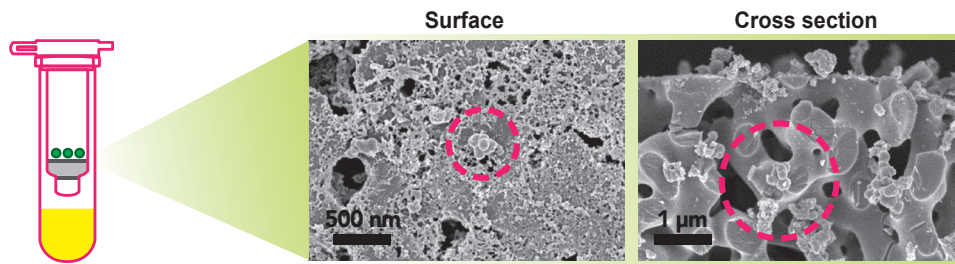
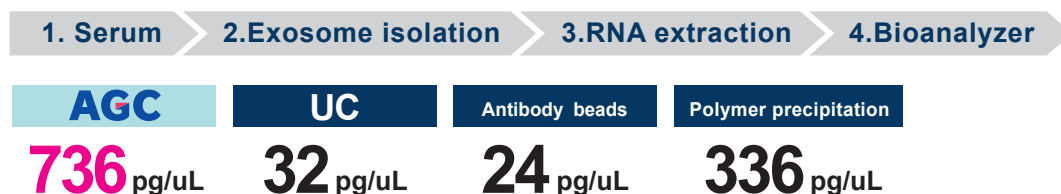


Fig.1 SEM images of captured exosome on/in the glass filter.

Recovery amount of total RNA by Bioanalyzer.

Exosomes were isolated from serum by AGC spin column, ultracentrifugation, antibody beads and polymer precipitation. The recovery amount of total RNA was analyzed by Bioanalyzer.



Coverage of RNA species by Microarray

Exosomes were isolated from serum by AGC spin column, ultracentrifugation, antibody beads and polymer precipitation. The coverage of RNA species and the intensity were analyzed by Microarray.

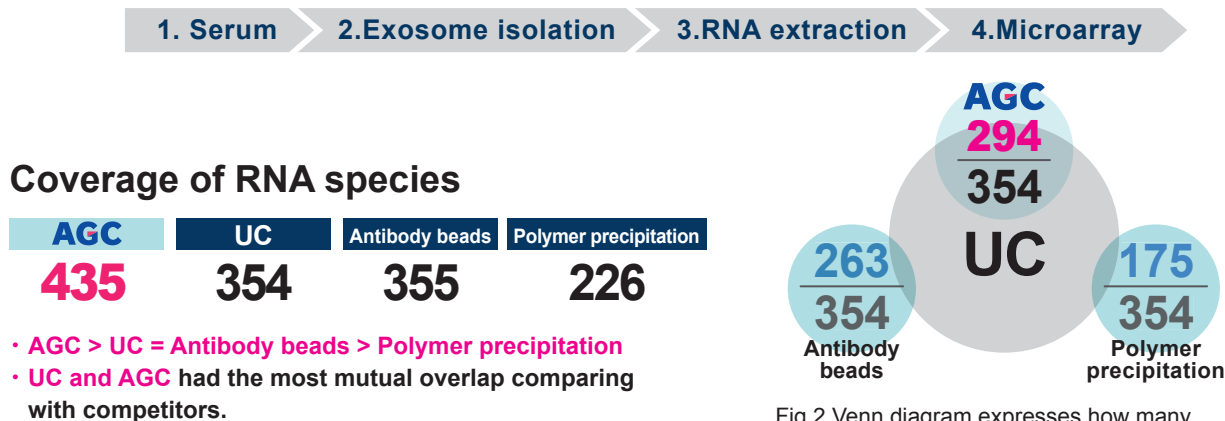


Fig.2 Venn diagram expresses how many miRNA species of UC expression were covered by kits.

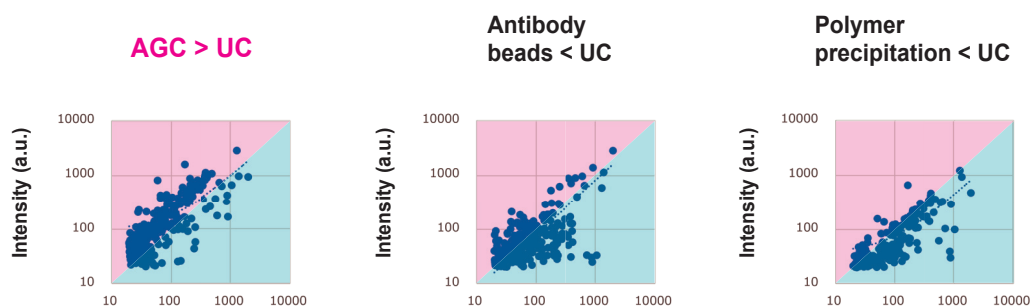


Fig.3 Scatterplot of intensities of miRNAs extracted from the collected exosomes on each kit(pink) versus ultracentrifuged exosomes(blue). The boundary between pink and blue represents the same level of miRNA expression for the two approaches.