

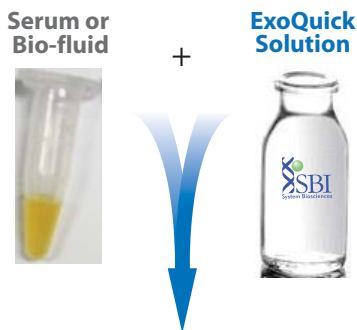
# ExoQuick™ Exosome precipitation

Simple one-step solution for isolating exosomes from biofluids  
Robust method for protein and microRNA biomarker discoveries

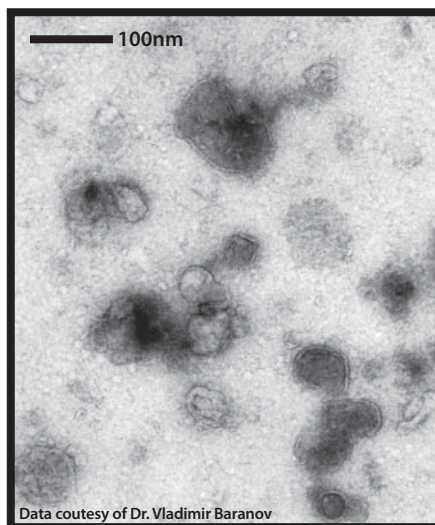
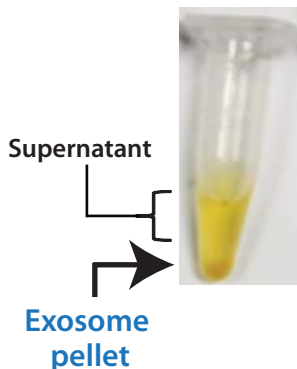
Exosomes are 40 –100 nm membrane vesicles secreted by most cell types *in vivo* and *in vitro*. Exosomes are found in blood, urine, amniotic fluid, malignant ascite fluids and contain distinct subsets of microRNAs depending upon the tumor from which they are secreted. SBI's ExoQuick exosome precipitation reagent makes microRNA biomarker discovery simple, reliable and quantitative. Enrich for circulating exosomal microRNAs with ExoQuick and accurately profile them using SBI's SeraMir™ or QuantiMir™ qPCR arrays.

## Isolate exosomes with ease

- No time-consuming ultracentrifugation
- Less expensive than costly DynaBeads
- More effective than any other method
- Use as little as 100µl of serum or bio-fluid



Simple one-step precipitation

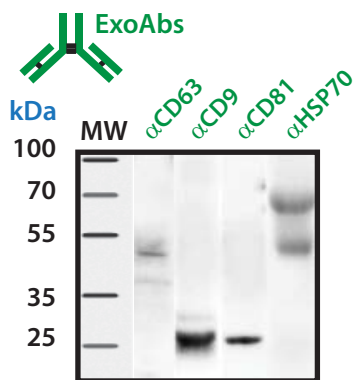


## Highlights

- Exosomes are released from tumors in high abundance
- Exosome cargo reflects the origin and physiological state of the source cells
- MicroRNAs are found in high abundance in circulating exosomes
- Precipitate exosomes from patient biofluids easily
- Discover novel disease-specific biomarkers
- ExoQuick works with serum, plasma, and tumor ascites

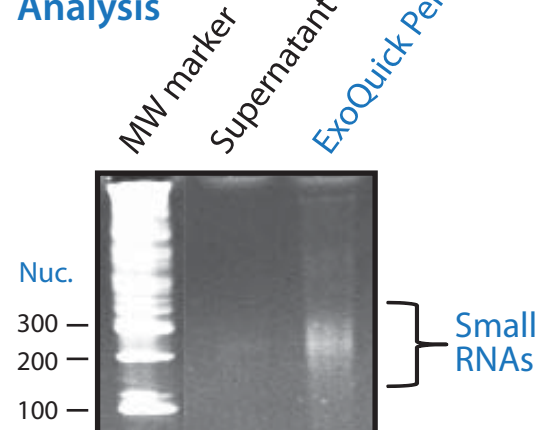
Discover MicroRNA and Protein Biomarkers in Patient Samples

## Exosome Marker Protein Analysis



ExoQuick Exosome Serum Western Analysis

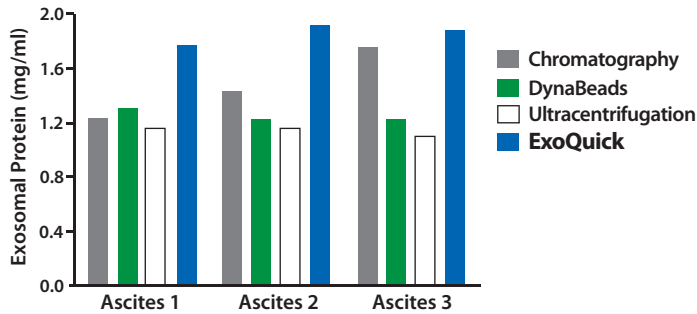
## Exosome RNA Analysis



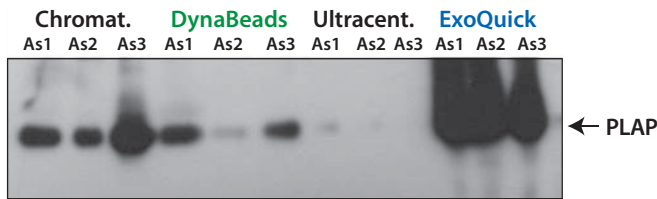
15% PA RNA Gel - SYBR green stain

## Isolate Exosomes from Ovarian Tumor Ascites fluid

### Enrich for more exosomal proteins

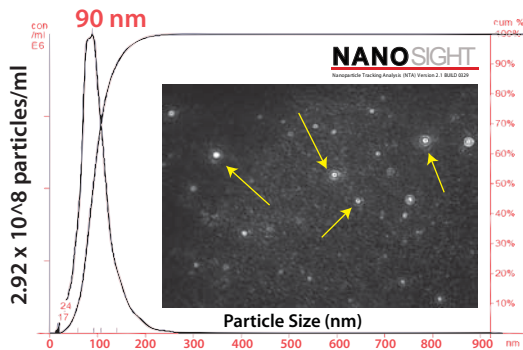


### Placental Alkaline Phosphatase Biomarker Enrichment



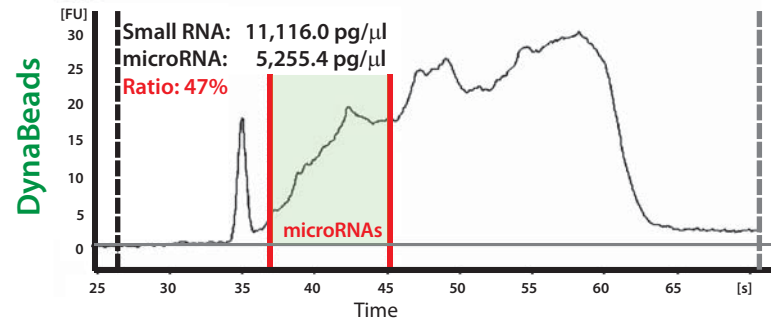
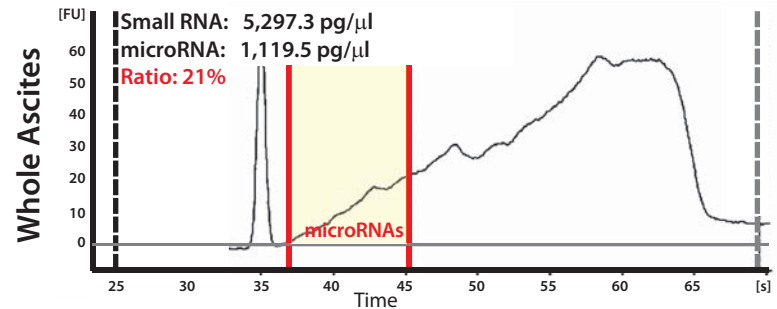
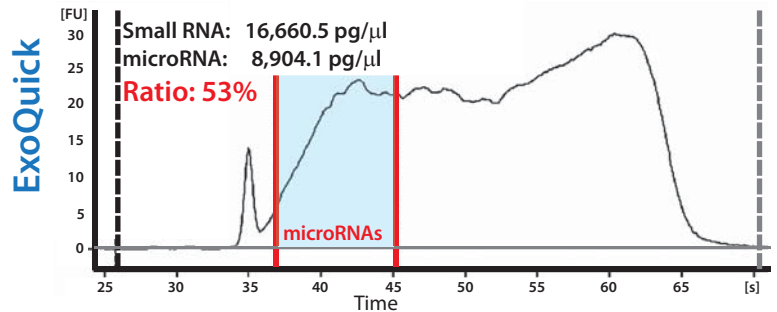
While each method purifies exosomal material, circulating exosomes isolated by ExoQuick precipitation produces exosomal RNA and protein with greater purity and quantity than chromatography, ultracentrifugation, and anti-EpCAM magnetic DynaBeads. This will enhance the sensitivity and accuracy of down-stream analyses, such as qRT-PCR profiling of microRNA and mass spectrometric and electrophoretic analyses of exosomal proteins. Identify new diagnostic and prognostic biomarkers with ExoQuick.

### NanoSight Particle Analysis



Tight particle size distribution with average exosome size measured at 90nm.

### Isolate more exosomal microRNAs



### Use ExoQuick to isolate exosomes from:

- Patient Serum and Plasma
- Patient Tumor Ascites fluids
- Compatible with Biofluids from Any Species
- For Media and Urine - use ExoQuick-TC

### We Also Offer Custom Services

System Biosciences offers a wide-range of custom services to support your research, allowing you to spend less time making tools, and more time making discoveries. To learn more, visit our website at [www.systembio.com/service](http://www.systembio.com/service) or call us at 888-266-5066.