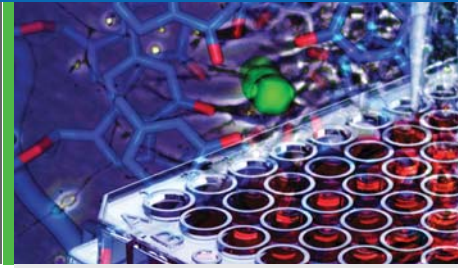




# ExoQuick-TC™ Exosome precipitation

Optimized one-step solution for rapidly isolating exosomes from tissue culture media and urine for biomarker analysis



Exosomes are 60 –120 nm membrane vesicles secreted by most cell types *in vivo* and *in vitro*. Exosomes are found in blood, urine, amniotic fluid, malignant ascite fluid, tissue culture media and contain distinct subsets of microRNAs and proteins depending upon the cell-type from which they are secreted. SBI's ExoQuick-TC exosome precipitation reagent is a special polymer formulation distinct from the original ExoQuick reagent for serum. ExoQuick-TC has been optimized for exosome isolation from media and urine samples. This technology makes microRNA and protein biomarker discoveries simple, reliable and quantitative.

## Isolate exosomes with ease

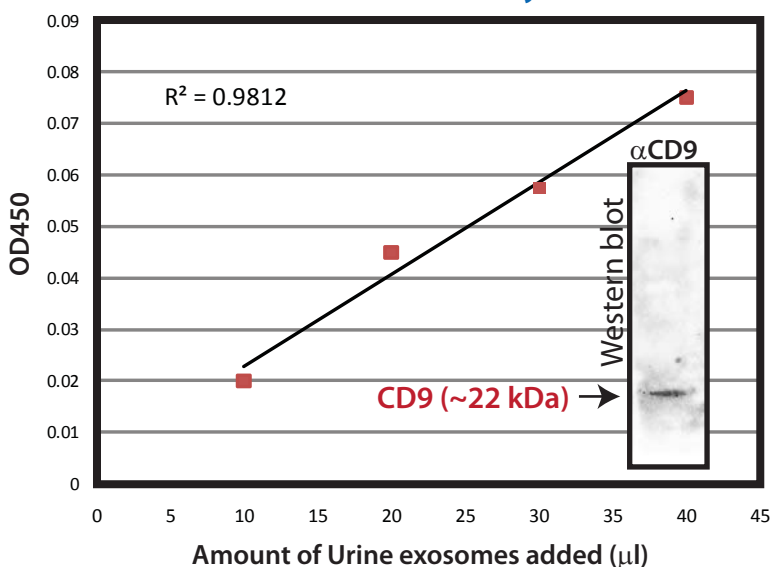
- No time-consuming ultracentrifugation
- Less expensive than costly DynaBeads
- More effective than any other method
- Use as little as 5ml of cell culture media or urine

**Time saving, cost-effective  
solution for studying  
exosomes from culture media**

## Highlights

- Precipitate exosomes from cell culture media or urine samples easily
- 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
- Discover novel disease-specific biomarkers

## ExoQuick-TC Urine Exosomes CD9 ELISA Assay



## ExoQuick-TC precipitates urine exosomes

Ten milliliters of normal human urine was combined with 2ml ExoQuick-TC to precipitate urine exosomes. The exosome pellet was resuspended 175µl buffer and increasing amounts of the exosome suspension was loaded onto an ELISA-ready plate. The CD9 protein was detected using SBI's rabbit anti-CD9 primary antibody and SBI's HRP-conjugated secondary goat anti-rabbit antibody. The size of urine CD9 proteins was determined using Western blot analysis with the same set of antibodies (see inset).



