

# EXOPAS™

The Microgentas's ExoPAS™ exosome isolation kit is a superior alternative to conventional methods such as ultracentrifugation and other commercial kits. ExoPAS™ can offer high yield and high repeatability when isolating exosomes from a wide range of biofluids.

PLASMA / SERUM / CULTURE MEDIA / URINE / SALIVA



Maximum Recovery Yield



Short Process



High Purity



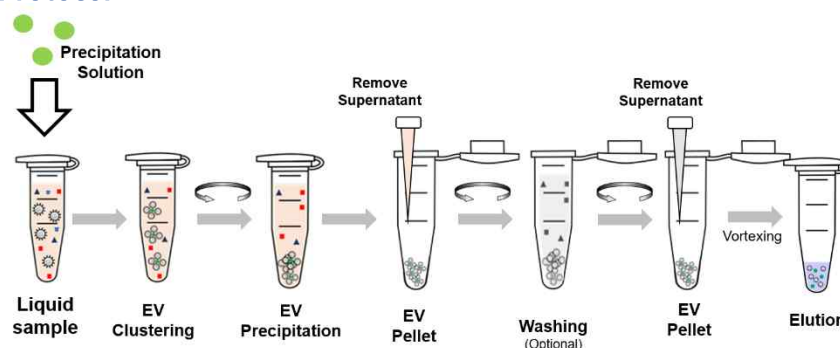
Easy Handling

## Exosome Precipitation and Scattering : ExoPAS™

### ExoPAS™ Series

- ExoPAS Original series for plasma, serum, urine and saliva samples
- ExoPAS CCM series specifically designed for cell culture media

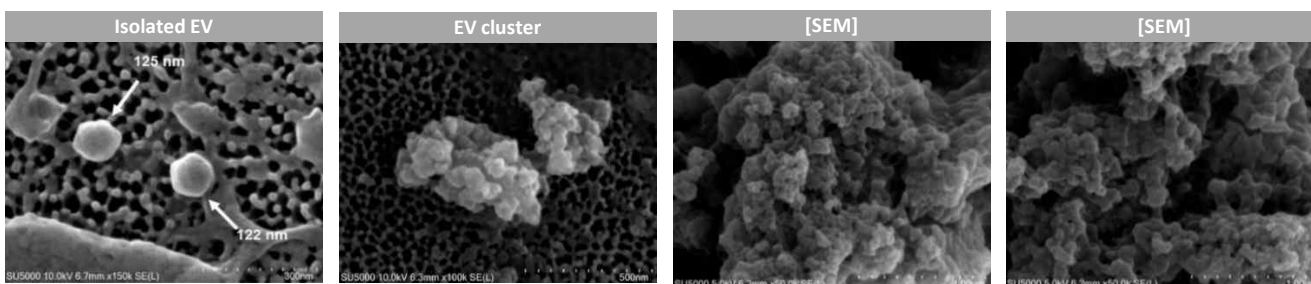
### Protocol



### Method

ExoPAS™ is a precipitation-based method, which increases EV isolation efficiency to the highest. The ExoPAS series kit that enables high recovery yield of exosome isolation. Using these unique, charge-based reagents, EVs are rapidly aggregated and precipitated from solution.

### EV Isolation and Clustering

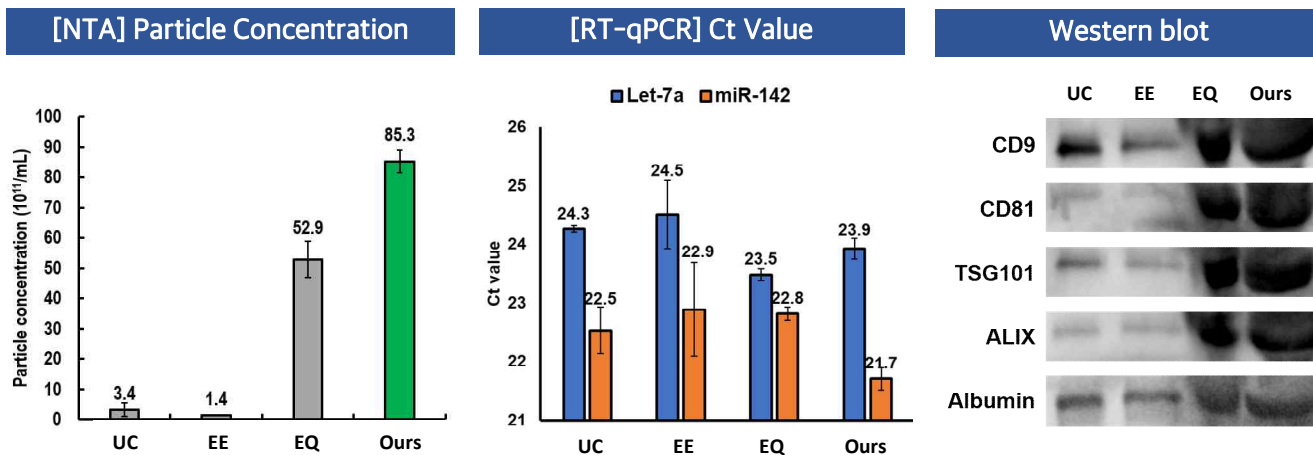


### Features

- Rapid operating time: 15 min
- Simple and easy protocol
- Enrichment of EVs available from wide range of biofluids, including plasma, cell culture media, saliva, and urine
- Available Downstream applications:
  - miRNA profiling
  - NGS
  - mass spectrometry analysis.

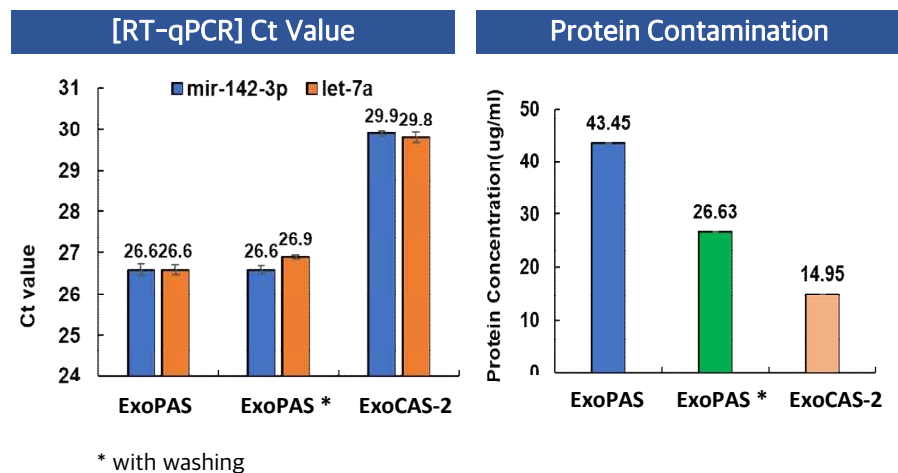
# EXOPAS™

## 1. Comparison - EV Isolation



ExoPAS™ particle concentration led to the best EV recovery rate among other EV isolation methods. RT-qPCR analysis was performed to identify EV-miRNAs. The results were consistent with the NTA analysis (EV-derived miRNAs ; has-let-7a-5p, has-miR-142-3p). To identify surface and internal protein markers of EVs, western blot assay was used. As a result, ExoPAS showed a thick band indicating a high number of EVs.

## 2. Comparison



\* with washing

ExoPAS™ increases EV isolation efficiency but often results in high impurity levels.

By adding the washing step, purity has improved. \*Washing Buffer (WB) is provided as an option.

Exosome isolated with ExoPAS with WB added, yield (RT-qPCR) was able to maintain while significantly reducing the quantity of proteins (BCA assay).

Exosome(EVs) Isolation Kit		
Specific Items	ExoPAS Advanced (50)	ExoPAS CCM Advanced
Catalog number	72060	72061
Sample	Plasma, Serum, Urine, Saliva	Cell Culture Media
Package Unit	For 50 preps	For 50 preps
Sample Volume/Test	1 mL ~	1 mL ~
Reagents	Precipitation Solution 1&2 (PS1, PS2), Elution Buffer (EB)	
Reagents available upon request	Washing Buffer (WB)	