

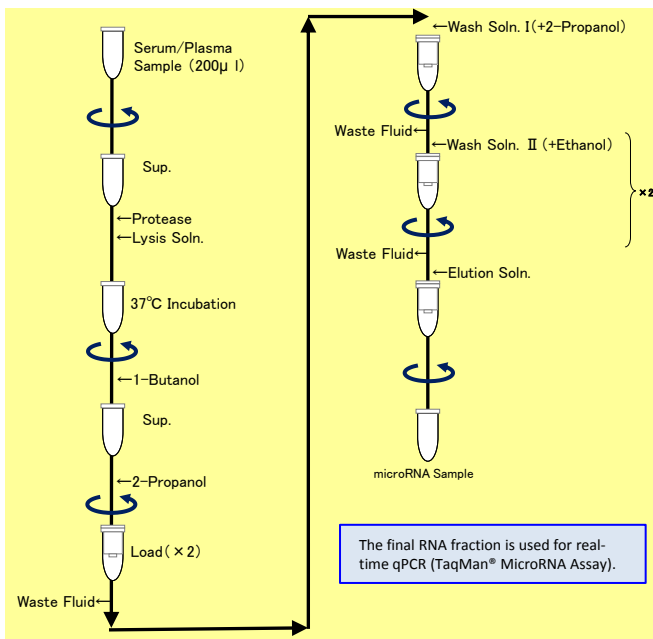
# microRNA Extractor<sup>®</sup> SP Kit

High extraction efficiency & reproducibility

Safe procedure without hazardous phenol/chloroform

Easy protocol by using protease, chaotropic reagent and spin column

## Extraction Outline



## Kit Components

- |                       |                 |
|-----------------------|-----------------|
| (1) Lysis Solution    | 19ml × 1 bottle |
| (2) Reducing Agent    | 50µL × 1 vial   |
| (3) Protease Solution | 500µL × 1 vial  |
| (4) Enhancer          | 500µL × 1 vial  |
| (5) Wash Solution I   | 12mL × 1 bottle |
| (6) Wash Solution II  | 21mL × 1 bottle |
| (7) Elution Solution  | 5mL × 1 bottle  |
| (8) Spin Column       | 50 columns      |
| (9) Collection Tube   | 50 tubes        |

### Additional materials required

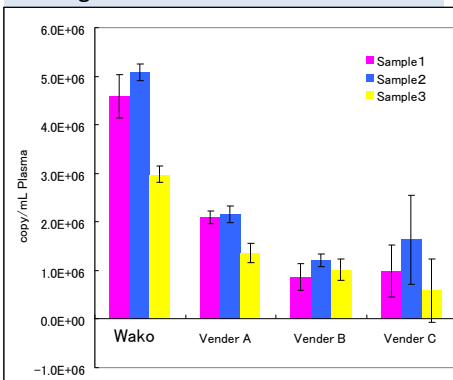
- 1-Butanol (Code No.022-16035)
- 2-Propanol (Code No.168-21675)
- Ethanol (Code No.054-07225)



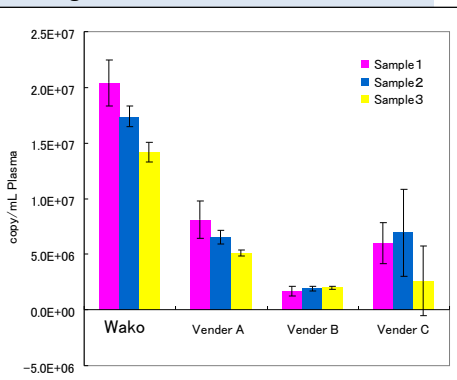
Please use EDTA or citric acid as an anticoagulant. We can NOT recommend to use heparin, because heparin will inhibit PCR after RNA extraction.

## Example of use Normal Human Plasma

### Endogenous hsa-miR-16



### Endogenous hsa-miR-451



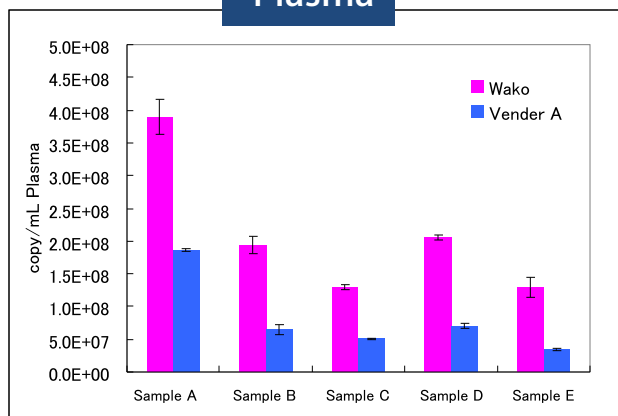
- Vender A Kit  
Phenol/Chloroform + Silica Column
- Vender B Kit  
Phenol/Chloroform + Silica Column
- Vender C Reagent  
AGPC methods reagent
- Detection reagent  
Real-time qPCR (TaqMan<sup>®</sup> MicroRNA Assay).

Extraction efficiency of microRNA Extractor<sup>®</sup> SP Kit is higher than vender's products.

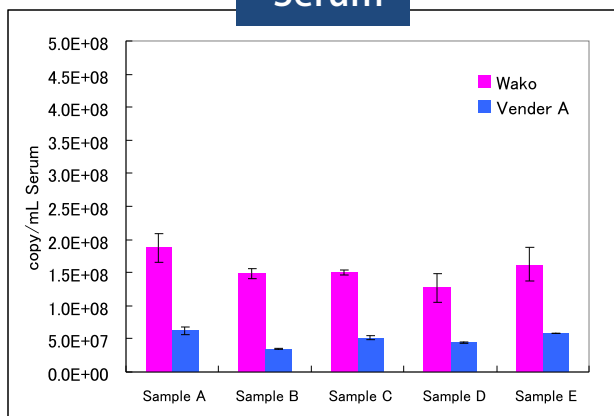
## Example of use (Normal Human Plasma & Serum)

### Endogenous hsa-miR-16

#### Plasma



#### Serum



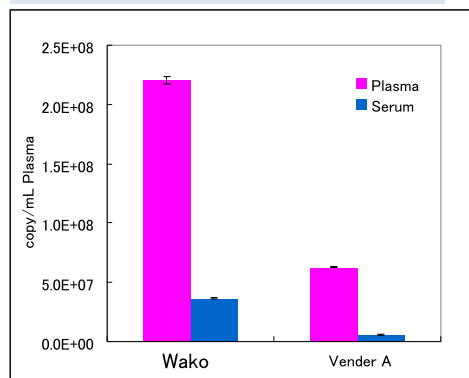
Vender A Kit :Phenol/Chloroform + Silica Column

Detection reagent:Real-time qPCR (TaqMan® MicroRNA Assay).

High efficiency of microRNA Extraction from Plasma & Serum.

## Example of use (Normal Rat Plasma & Serum)

### Endogenous rno-miR-16

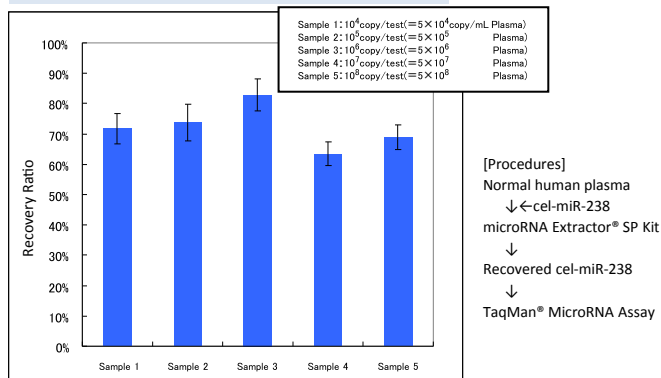


Detection reagent:Real-time qPCR (TaqMan® MicroRNA Assay).

Suitable for microRNA Extraction from Rat.

## Recovery efficiency

### cel-miR-238



Detection reagent:Real-time qPCR (TaqMan® MicroRNA Assay).

High reproducibility

[Procedures]  
 Normal human plasma  
 ↓←cel-miR-238  
 microRNA Extractor® SP Kit  
 ↓  
 Recovered cel-miR-238  
 ↓  
 TaqMan® MicroRNA Assay

Code No.

Description

Package size

295-71701

microRNA Extractor<sup>®</sup> SP Kit

50 Extractions

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