

Plasma Separator

# Plasmacure™ PE



Plasma Separator  
**Plasmacure™**

|  |                         |            |
|--|-------------------------|------------|
| Membrane surface area<br>Superficie de la membrana<br>Membran Oberfläche<br>Επιφάνεια Μεμβράνης<br>Membran yüzey alanı | <b>0.8m<sup>2</sup></b> | <b>PS-</b> |
|--|-------------------------|------------|

|   |                              |
|---|------------------------------|
| Max. Transmembrane pressure<br>Pression transmembranaire max.<br>Max. Transmembran-Druck<br>Μέγιστη Διαµεµβρανική Πίεση<br>Maksimum Transmembran basıncı<br>最大膜圧TMP | <b>13.3kPa<br/>(100mmHg)</b> |
|---|------------------------------|

|                                |       |
|--------------------------------|-------|
| LOT Lot number                 | YZ123 |
| ☞ Sterilization date (yyyy-mm) | 2012- |
| ☞ Expiration date (yyyy-mm)    | 2015- |

\*For use only in plasma separation  
A n'utiliser que pour separation plasmatique  
Nur zur Verwendung zur Plasmaseparation  
Μόνο για Διαχωρισμό Πλάσματος  
Sadece Plazma Separasyonunda kullanmak için  
膜専用血液分離

☞ ☞

CE  
0086

 **KAWASUMI LABORATORIES, INC.**

# Plasma Separator Plasmacure™ PE



## Features

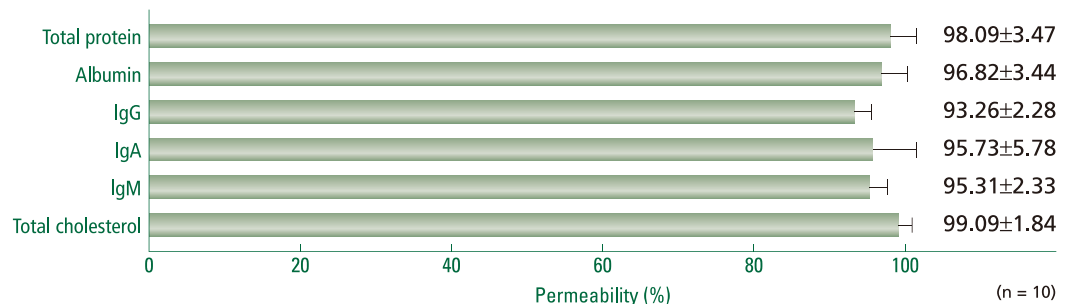
- Ethylene vinyl alcohol copolymer, a hydrophilic material, is coated on the surface of polyethylene hollow fibers.
- Gamma ray irradiation sterilization is employed.
- Filtration property is stable due to less TMP increase.

## Performance

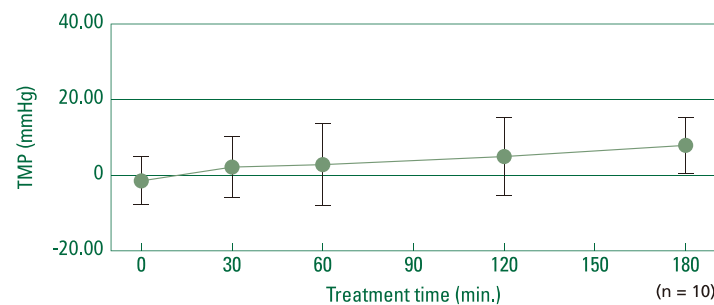
### Permeability (when 1L of plasma has been treated)

The formula to calculate Permeability is as follows:

$$\text{Permeability} = \text{Plasma level of the substance} / \text{Blood level of the substance} \times 100 (\%)$$



### Change in TMP



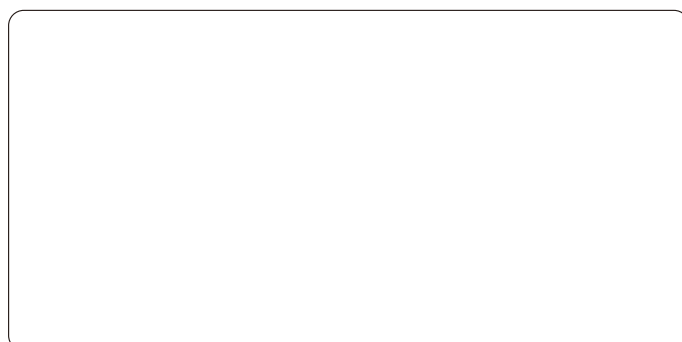
Excerpt from the clinical data provided by Koga Hospital

Conditions:  
QB = 80-130 mL/min.  
QF = 20-44 mL/min.

## Specifications

| Type                                 |   | PS-02   | PS-05 | PS-08 |
|--------------------------------------|---|---|-------|-------|
| Hollow fibers                        | Material                                | Polyethylene (Coating material: ethylene vinyl alcohol copolymer) |       |       |
|                                      | Inner Diameter [μm]                     | 330   |       |       |
|                                      | Wall thickness [μm]                     | 50  |       |       |
|                                      | Mean pore size [μm]                     | 0.3   |       |       |
|                                      | Membrane surface area [m <sup>2</sup> ] | 0.2   | 0.5   | 0.8   |
| Housing                              | Material                                | Polycarbonate   |       |       |
| Priming volume (inside fibers) [mL]  |   | 25  | 55    | 80    |
| Priming volume (outside fibers) [mL] |   | 35  | 75    | 105   |
| Filling fluid                        |   | Saline solution   |       |       |
| Sterilization method                 |   | gamma rays  |       |       |
| Max. TMP [kPa] [mmHg]                |   | 13.3 (100)  |       |       |

Distributed by



Exporter :



**KAWASUMI LABORATORIES, INC.**

Shinagawa Intercity Tower B, 2-15-2, Konan, Minato-ku, Tokyo, 108-6109, Japan

Manufacturer :



**ASAHIKASEI MEDICAL CO., LTD.**

Head Office : 1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101, Japan

OITA Plant : 2111-2, Oaza-sato, Oita-shi, Oita 870-0396, Japan

Represented in Europe by :



**ASAHIKASEI MEDICAL EUROPE GmbH**

Herriotstrasse 1, 60528 Frankfurt am Main, Germany

Telephone: +49-69-66371-500 Facsimile: +49-69-666-5193

Please read the instructions carefully before use.