Asahi Kasei

Plasmaflo™

OP Series
Asahi Hollow Fiber Plasma Separator

- Gamma Sterilized: ETO free
- Easy to prime and operate
- High clearance of protein components
- Minimal loss of cellular components
- High plasma flux even at low blood flow rate

Asahi Kasei Medical Co., Ltd.
A Pioneer in Blood Purification
High sieving coefficient of protein components with low platelet loss

**Principle**

Plasma and proteins pass through the membrane but the pores are small and cellular components cannot pass across the membrane. Plasma and pathogenic substances in the plasma can be discarded or purified and returned to the patient.

**Specifications**

<table>
<thead>
<tr>
<th>OP-02W(L)</th>
<th>OP-05W(L)</th>
<th>OP-08W(L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hollow fiber</td>
<td>Polyethylene (coated by ethylene-vinyl alcohol copolymer)</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>330 μm</td>
<td>550 μm</td>
</tr>
<tr>
<td>Inside diameter</td>
<td>0.2 m²</td>
<td>0.5 m²</td>
</tr>
<tr>
<td>Wall thickness</td>
<td>0.3 μm</td>
<td>0.3 μm</td>
</tr>
<tr>
<td>Effective surface</td>
<td>0.5 mL</td>
<td>0.8 mL</td>
</tr>
<tr>
<td>Priming volume</td>
<td>25 mL</td>
<td>55 mL</td>
</tr>
<tr>
<td>Pore size</td>
<td>0.03 mL</td>
<td>0.03 mL</td>
</tr>
<tr>
<td>Container</td>
<td>Polycarbonate</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>200mm x 30mm x 200mm</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>200mm x 30mm x 200mm</td>
<td></td>
</tr>
<tr>
<td>Sealant</td>
<td>Polyurethane</td>
<td></td>
</tr>
<tr>
<td>Sterilization</td>
<td>Gamma-Ray</td>
<td></td>
</tr>
</tbody>
</table>

**Circuit Diagram**

The Plasmaflo OP Asahi Plasma separator is a medical device intended for the therapeutic separation of plasma from the whole blood in a clinical setting.

**Performance**

Permeability to plasma components

Figure shows the in vivo permeability of the OP-05W\(^1\) to various plasma components up to 3 liters of plasma perfusion volume.

\(^1\) OP-05W is brand name in Japan, and substantially equivalent to OP-05W(L).

![Permeability graph]


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AsahiKASEI

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