



# HEMOFEEL™ CH

**For the management of systemic inflammatory state  
and organ dysfunction**

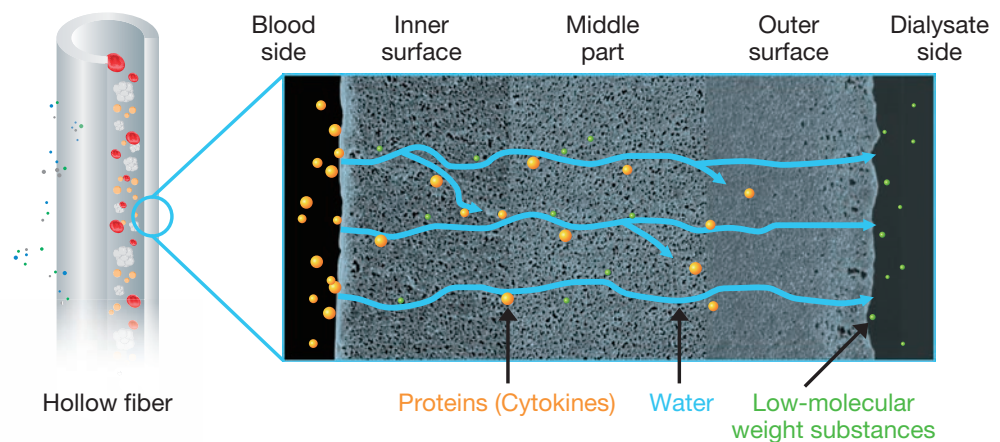
# HEMOFEEL™ CH

HEMOFEEL™ CH is a CRRT hemofilter using polymethylmethacrylate (PMMA) membrane with unique adsorption characteristics for variety of inflammatory mediators.

CRRT: continuous renal replacement therapy



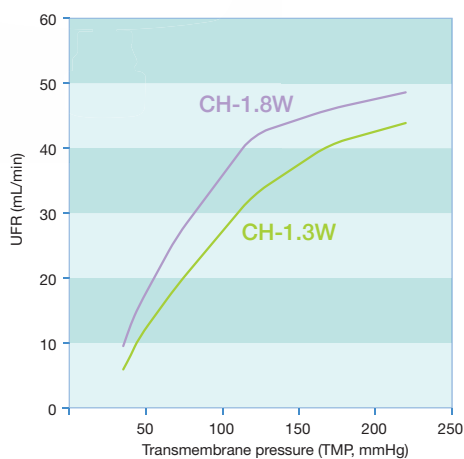
## Membrane Structure (cross-section)



PMMA membrane has a symmetric structure. The pore size of the membrane is designed to have optimal cytokines adsorption.

## Ultrafiltration Rate (UFR)

(internal data)



In vitro ultrafiltration with bovine blood  
Hematocrit (Ht): 30 ± 3%, Total protein (TP): 6.0 ± 0.3 g/dL, Q<sub>b</sub>: 100 ± 2 mL/min

## Technical Data

Type	CH-1.3W	CH-1.8W
Fibers	Polymethylmethacrylate (PMMA)	
Inside diameter (μm)	240	
Membrane thickness (μm)	30	
Effective surface area (m <sup>2</sup> )	1.3	1.8
Sterilization	Gamma-ray Irradiation	
Blood volume *1 (mL)	94	130
Sieving coefficient *2		
Albumin	0.004	
Inulin	1.0	
UFR in vitro *3 (mL/hr/mmHg)	24	30
Max. TMP (kPa (mmHg))	66 (500)	
Range of blood flow rates (mL/min)	100-300	

\*1 Blood volumes are typical data.

\*2 Sieving coefficients are typical measured data with bovine plasma. TP: 5.5–6.5 g/dL, Q<sub>b</sub>: 200 ± 4 mL/min, Q<sub>d</sub>: 30.0 ± 3.0 mL/min/m<sup>2</sup>, Temp: 37 ± 1°C

\*3 UFRs are typical measured data with bovine blood. Ht: 32 ± 2%, TP: 5.5–6.5 g/dL, Q<sub>b</sub>: 200 ± 4 mL/min, Temp: 37 ± 1°C, TMP: 13.3 ± 1.3 kPa (100 ± 10 mmHg)



EC REP

**Toray International Italy S.r.l.**

Via Mecenate 86, 20138 Milan, ITALY  
TEL: +39-02-580-39133 / FAX: +39-02-580-16317

**Exporter:**

**Toray Medical Co., Ltd.**

4-1, Nihonbashi-Honcho 2-chome, Chuo-ku,  
Tokyo 103-0023, JAPAN  
TEL : +81-3-6262-3832  
FAX : +81-3-6262-3840  
<http://www.Toray-medical.com/en/>

**Manufacturer:**

**Toray Industries, Inc.**

1-1, Nihonbashi-Muramachi 2-chome, Chuo-ku,  
Tokyo 103-8666, JAPAN  
TEL : +81-3-3245-8526  
FAX : +81-3-3245-8665