



Concentrating on efficiency and convenience with innovative design



- *High Ultrafiltration Rate*
- *No rinse for easy setup*
- *Low priming volume*
- *Even blood flow throughout*
- *A wide range of products to choose from*
- *High visibility*

CAPIOX[®] Hemoconcentrator HC11/HC05

CAPIOX[®] Hemoconcentrator

Terumo's HC-series has everything needed to concentrate blood with maximum efficiency.

High UFR

Polysulfone membrane material achieves high UFR (Ultrafiltration Rate) for efficient blood concentration in a short time, while restricting removal of albumin, which is vital to the human body.

No-rinse design

No-rinse hollow fibers enable quick set up even during the operation or in case of emergency. In addition, the angle of the blood outlet port is designed to eliminate air bubbles quickly and easily during priming.

Low priming volume

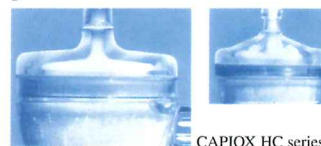
This keeps the HC series compact and light, consequently requiring little storage space and offering easy disposal. The HC05 requires only 35ml priming volume, making it especially beneficial in small volume requirements.

Wide product range

Terumo HC series hemoconcentrators are available in two sizes having different effective membrane areas. Each size is offered with two types of blood ports.

Smooth blood flow

Design innovations in the inlet blood port ensure smooth blood flow and reduce possible stagnation. Also, there is little space between hollow fibers and O-rings around the port. These design innovations ensure smooth, even blood flow throughout, and prevent thrombus formation.



Conventional type

CAPIOX HC series

High visibility

The entire housing, including blood ports, is transparent for easy visual checking.

Sieving Coefficients (In-vitro)

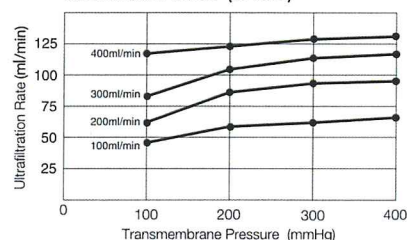
	Vitamin B12	Inulin	Albumin
Solute Molecular Weight (Daltons)	1,350	5,200	66,000
Sieving Coefficients (%)	99.8	97.4	0.6

Inlet conditions: Vitamin B12 and Inulin (Dissolved in purified water).
Flow rate = 200 ml/min, UFR = 40 ml/min.
Albumin: Bovine blood, Hematocrit = 25±1%.
Protein concentration = 60±5 g/L. Temp. = 37°C.
Flow rate = 500 ml/min

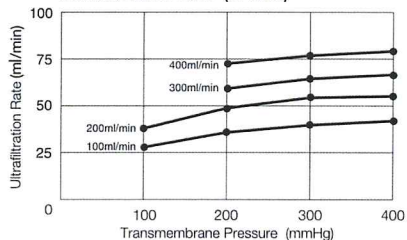
Product Description

Reorder Number	Description	Quantity
CX-HC11S	1.1 m ² Hemoconcentrator with 1/4" slip port	10 pcs./Carton
CX-HC11L	1.1 m ² Hemoconcentrator with luer lock	10 pcs./Carton
CX-HC05S	0.5 m ² Hemoconcentrator with 1/4" slip port	10 pcs./Carton
CX-HC05L	0.5 m ² Hemoconcentrator with luer lock	10 pcs./Carton
XX-XH071	Holder for HC11/HC05	-

Model HC11
Ultrafiltration Rates (In-vitro)



Model HC05
Ultrafiltration Rates (In-vitro)



Inlet conditions:
Bovine blood, Hematocrit = 25±1%.
Protein concentration = 50±5 g/L.
B.E. = 0±3 mEq/L. Temp. = 37°C

Specifications

	HC11S	HC05S
Holder	XX *XH071	
Fiber Material	Polysulfone	
Effective Surface Area	Approx. 1.1 m ²	Approx. 0.5 m ²
Priming Volume	70 ml	35 ml
Blood Ports	1/4" Slip Luer Locks	1/4" Slip Luer Locks
Filtrate Port	1/2" (1/4" Adapter)	
Blood Flow Range	Min. 100 - Max. 500 ml/min.*1	
Maximum Transmembrane Pressure	500 mmHg (66.5kPa)	
Method of Sterilization	Ethylene Oxide Gas	

*1: At least 50 ml/min is recommended during suspension of ultrafiltration.

CE 0197



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