

CAPIOX[®] Hemoconcentrator HC11 / HC05

Concentrating on efficiency and convenience with innovative design.



High ultrafiltration rate

No rinse for easy setup

Low priming volume

Even blood flow throughout

High visibility

CAPIOX® Hemoconcentrator HC11 / HC05

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 prime volume

Low prime volume keeps the CAPIOX HC series compact and light, consequently requiring little storage space and offering easy disposal. The CAPIOX HC05 requires only 34 mL priming volume, making it especially beneficial in small volume requirements.

Wide product range

CAPIOX HC series hemoconcentrators are available in two sizes with different effective membrane areas.

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.

High visibility

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



CAPIOX HC series



Conventional type

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

Specifications

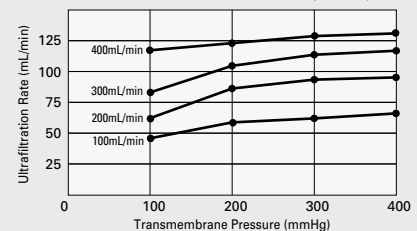
	CAPIOX HC11	CAPIOX HC05
Holder	1XX*XH071	1XX*XH071
Fiber material	Polysulfone	Polysulfone
Effective surface area	Approx. 1.1 m ²	Approx. 0.5 m ²
Priming volume	67 mL	34 mL
Blood ports	1/4" slip	1/4" slip
Filtrate port	1/2" (1/4" adapter)	1/2" (1/4" adapter)
Blood flow range	Min. 100 – max. 500 mL/min.*	Min. 100 – max. 500 mL/min.*
Maximum transmembrane pressure	500 mmHg (66.5kPa)	500 mmHg (66.5kPa)
Method of sterilization	Ethylene oxide gas	Ethylene oxide gas

* At least 50 mL/min is recommended during suspension of ultrafiltration.

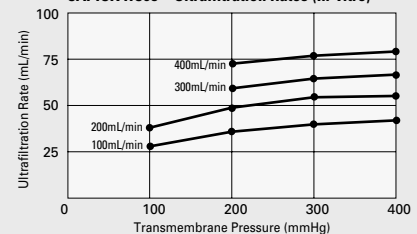
Ordering information

CATALOG NUMBER	DESCRIPTION	UNITS/CASE
CAPIOX® Hemoconcentrators		
1XX*XH071	Holder for CAPIOX Hemoconcentrator	1
Adult		
1CX*HC11S	Hemoconcentrator, 1.1 m ² , 100 - 500 mL/min (with 1/4" slip connector)	10
62648	Hemoconcentrator with tubing	10
Pediatric		
1CX*HC05S	Hemoconcentrator, 0.5 m ² , 100 - 500 mL/min (with 1/4" slip connector)	10
62649	Hemoconcentrator with tubing	10

CAPIOX HC11 – Ultrafiltration Rates (In-vitro)



CAPIOX 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

CAPIOX Hemoconcentrator HC11 / HC05



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