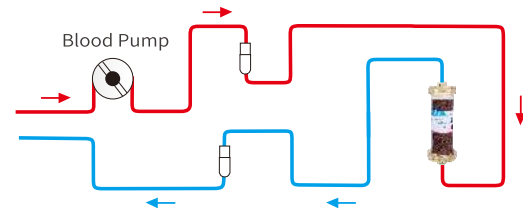
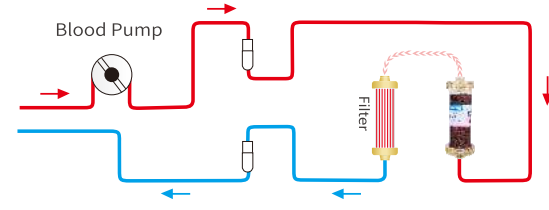


Multiple treatment modes & Flexible choice

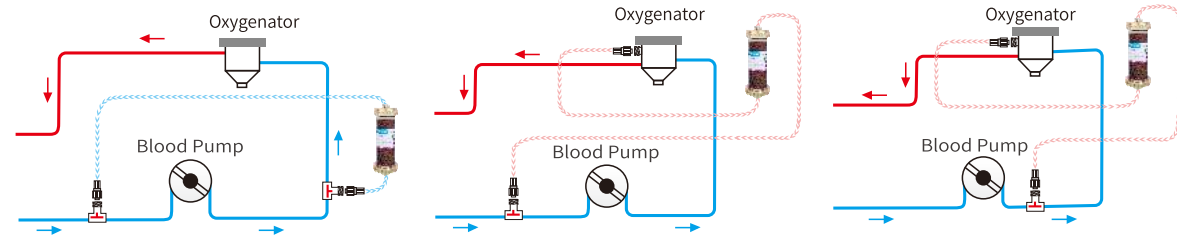
(1) HP (HA380)



(2) HP (HA380)+HD/HDF/CVVH



(3) HP (HA380)+CPB/ECMO



HA380

Disposable Hemoperfusion Cartridge

Product Parameter	HA380 Disposable Hemoperfusion Cartridge
Adsorbent volume (ml)	380±3
Blood volume (ml)	140±5
Adsorbent material	Double Crosslinked Styrene-divinylbenzene Copolymers
Housing material	Polycarbonate
Sterilization method	Irradiation Sterilization
Unit package	275mm(L)×105mm(W)×105mm(H) 0.90kg



Critical diseases related to inflammatory mediators imbalance
Such as cardiac surgery, sepsis/ septic shock, ARDS, MODS, SAP, burn complications, etc.

JAFRON: the biggest provider of adsorption columns since 1989



Jafron High-Tech Park



CE



ISO 9001



ISO 13485



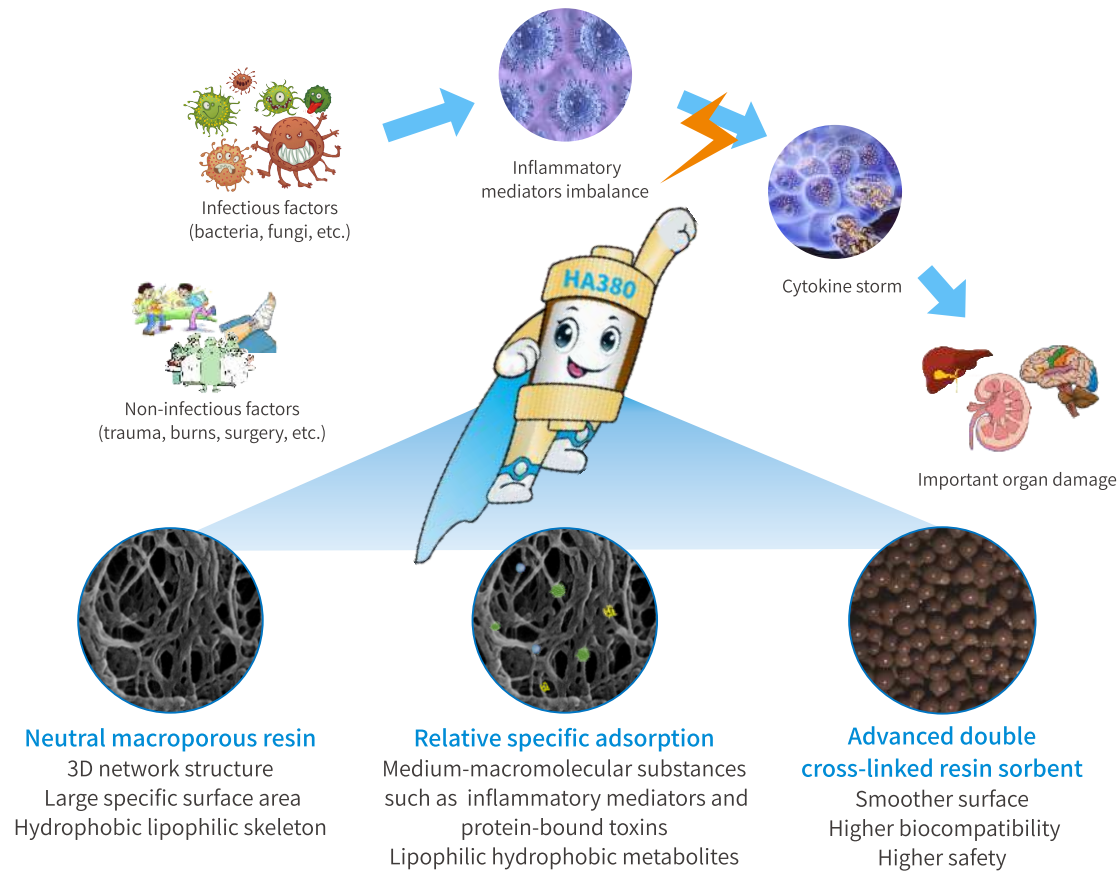
JAFRON BIOMEDICAL CO., LTD.

Address: No. 98 Technology Six Road, High-tech Zone, Zhuhai, Guangdong, China
Tel: 0086-020-88527536 0086-020-88527636
E-mail: overseatrade@jafron.com
Post Code: 519080
Website: en.jafron.com

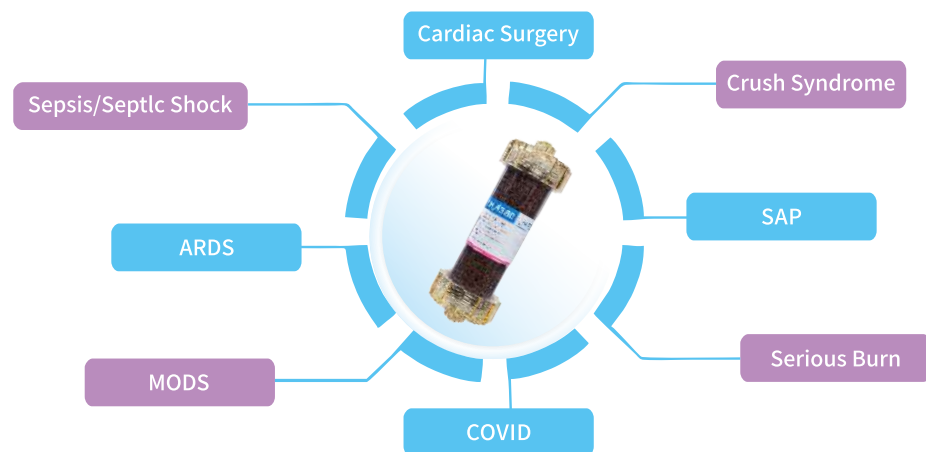
Treatment Principle

Inflammation is a response of infection and tissue damage to eliminate infection and help tissue repair. When the injury or infection becomes severe, the inflammatory response is stimulated. Meanwhile, the ratio of proinflammatory cytokines and anti-inflammatory cytokines released by immune cells is imbalanced, which will lead to cytokine storm and further aggravate the damage of tissues and organs. HA380 hemoperfusion cartridge is filled with neutral macroporous resin. Because of the accurate medium-macroporous structure and over 60,000 m² specific adsorption surface area of the resin, it can^[1-2]

- control inflammatory cytokine storms,
- help improve hemodynamics,
- relieve organ damage and complications for critically-ill patients,
- benefit the length of ICU stay and hospital stay.

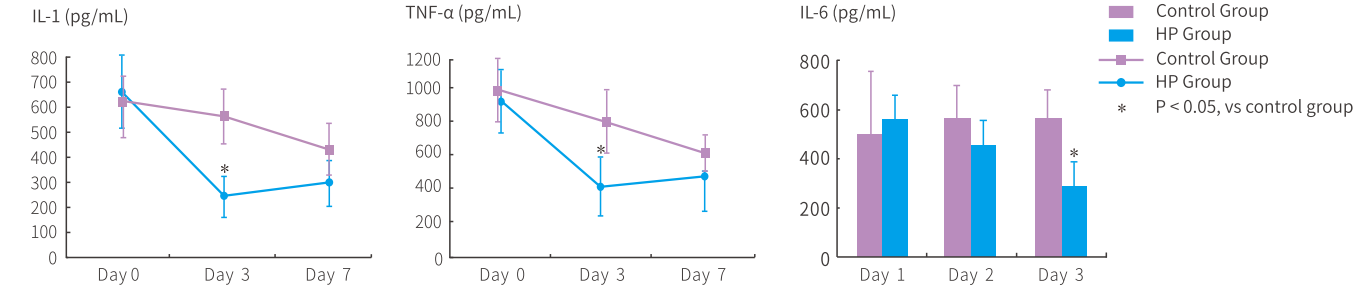


Indications^[3-4]

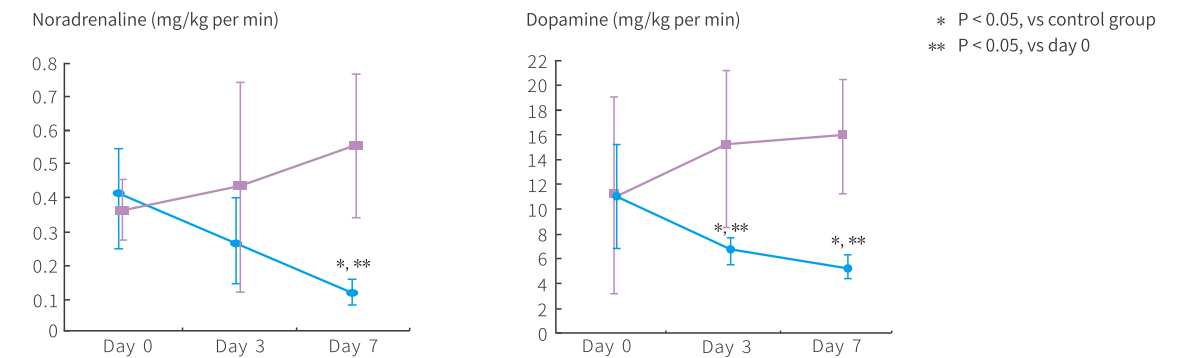


Clinical Data^[5-6]

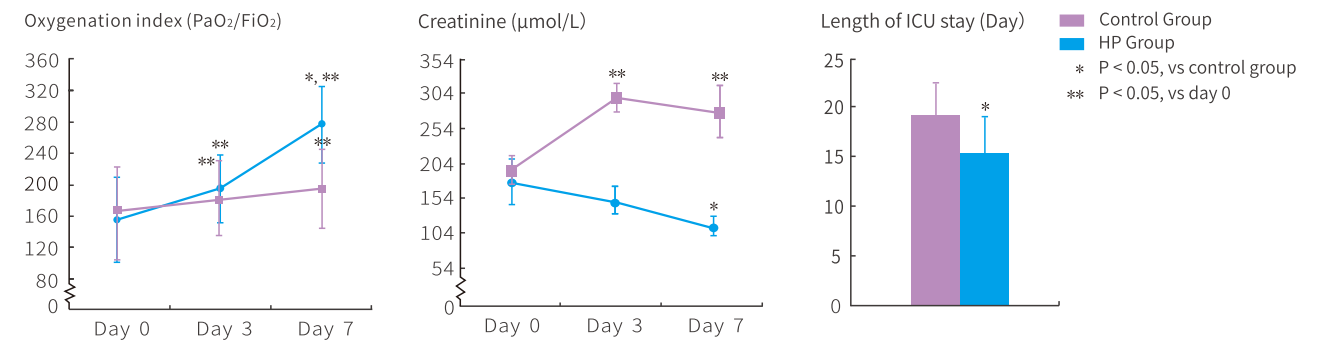
Clear inflammatory mediators



Reduce the dosage of vasopressors



Improve organ function and reduce ICU stay



Good Compatibility



CVVH/HDF/HD+HP



CPB/ECMO+HP

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[3] Clark W R, Ferrari F, Manna G L, et al. Extracorporeal Sorbent Technologies: Basic Concepts and Clinical Application[J]. *Contributions to Nephrology,* 2017, 190:43.

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[5] Zhao Huang, Si-rong Wang, Zi-li Yang, and Ji-yun Liu. Effect on Extrapulmonary Sepsis-Induced Acute Lung Injury by Hemoperfusion With Neutral Microporous Resin Column[J]. *Therapeutic Apheresis and Dialysis,* 2012:1-8.

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