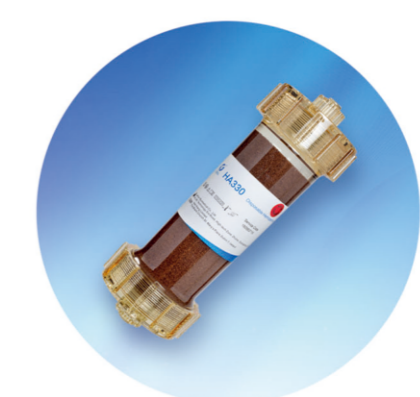


Get Control of Cytokine Storm



HA330 Disposable Hemoperfusion Cartridge

18 Years Clinical Experience
More than 30,000 Cases/year
Widely used in over 20 countries



HA330-02-01-Sep-2017

References:

- [1] La Manna G, Ronco C (eds): *Current Perspectives in Kidney Diseases. Contrib Nephrol.* Basel, Karger, 2017, vol 190, pp 43–57
- [2] Mervyn Singer, Clifford S. Deutschman, et al. *The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3).* JAMA. 2016; 315(8): 801–810.
- [3] 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.* Therapeutic Apheresis and Dialysis, 2013;17: 454–461.
- [4] Huang Zhao, Wang Sirong, Liu Jiyun. *Removal of inflammatory cytokines by hemoperfusion for protecting the kidney from acute injury in patients with sepsis [J]. Chinese Journal of Emergency Medicine 2011, 20(1): 60-64.*
- [5] Mao Huijuan, Yu Shu, Zhang Bo, et al. *Effects of coupled plasma filtration adsorption on serum cytokines in patients with multiple organ dysfunction syndromes [J]. Chinese Journal of Blood Purification, 2009 (8)2: 70-75.*
- [6] Zhao Huangsi, Rong Wang, Wei Su, et al. *Removal of humoral mediators and the effect on the survival of septic patients by hemoperfusion with neutral microporous resin column [J]. Therapeutic Apheresis and Dialysis, 2010, 14(6): 596-602.*
- [7] Tang Yi, Zhang Ling, Yang Yingying, et al. *Hemoperfusion plus continuous veno-venous hemofiltration for patients with sepsis and acute kidney injury [J]. Medical Journal of West China, 2012, 24(2): 233-235,238.*
- [8] Mo Yanbo, Yuan Qiang, Li Xin, et al. *Effects of hemoperfusion on partial inflammatory cytokines in severe acute pancreatitis patients [J]. Journal of Internal Intensive Medicine, 2012, 18(3): 163-164.*
- [9] Yang Xiaobo. *Clinical therapeutic effect of hemoperfusion combined with hemofiltration in patients with severe acute pancreatitis [J]. Chinese Journal of Integrated Traditional and Western Medicine in Intensive and Critical Care 2011, 18(1): 35-36.*

HA330 Disposable Hemoperfusion Cartridge Properties

Loading capacity(ml)	330±3
Volumn(ml)	185±5
Adsorbent material	Styrene Divinylbenzene Copolymers
Housing material	Polycarbonate
Sterilization method	Irradiation Sterilization
Unit package	290mm(L)×105mm(W)×105mm(H) 0.90kg

Jafron — the largest manufacturer of adsorption columns in the world



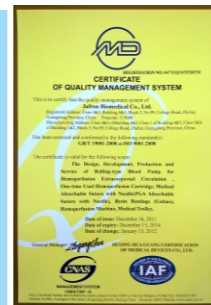
Jafron High-Tech Park



CE



ISO 9001



ISO 13485



JAFRON BIOMEDICAL CO., LTD.

Address: No. 98 Technology Six Road, High-tech Zone, Zhuhai, Guangdong, China
Tel: 0086-756-3619986 0086-756-3619196
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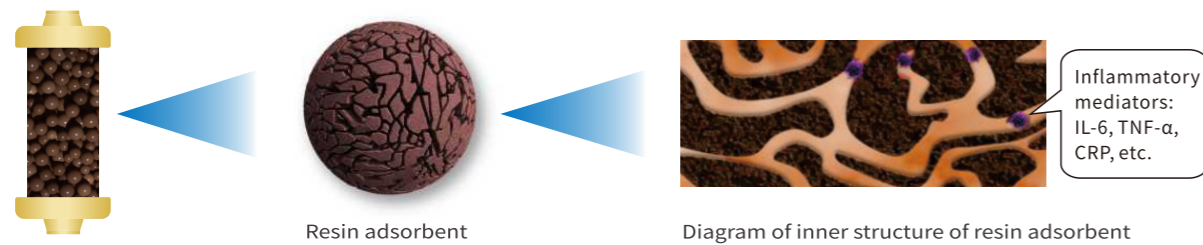
HA330 is the adsorption column removes **inflammatory mediators** and regulates **body immunity** for critically-ill patients in the intensive care unit (ICU) and those undergoing cardiac surgery.

- Clear excessive cytokines, activated complement, plasma free hemoglobin.....
- Improve hemodynamics, benefit organ function, and reduce mortality.

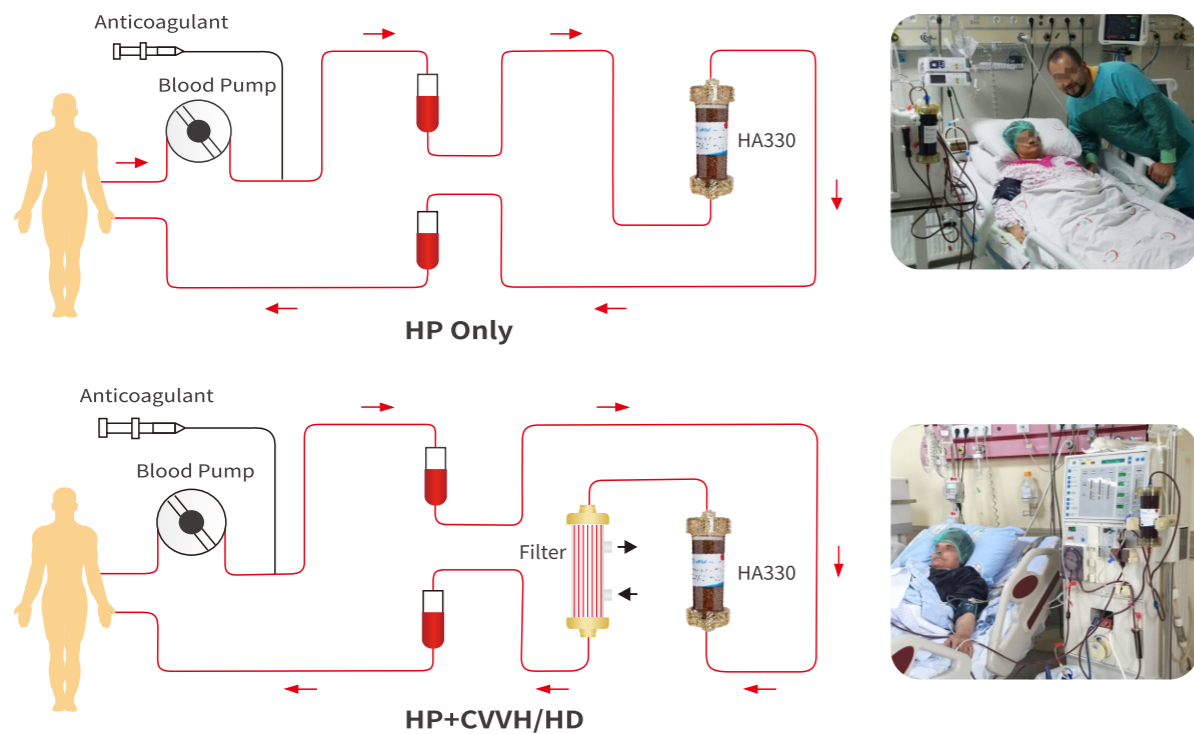
Indication



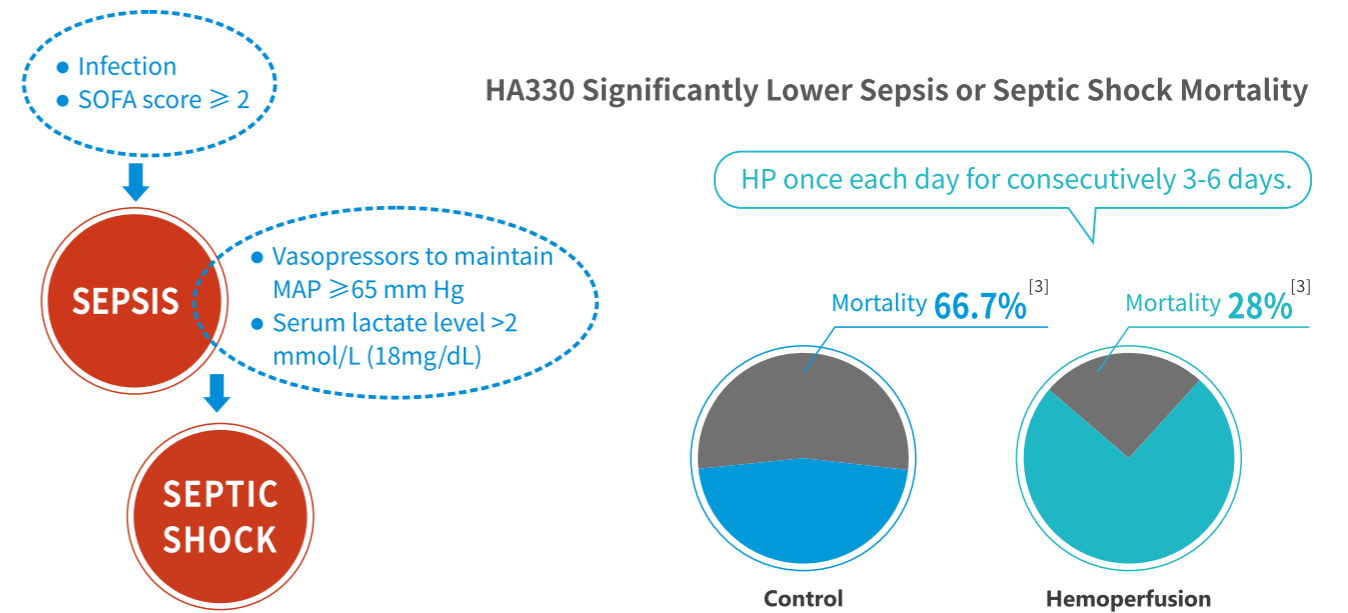
Resin Adsorbent Ensure Efficiency & Safety



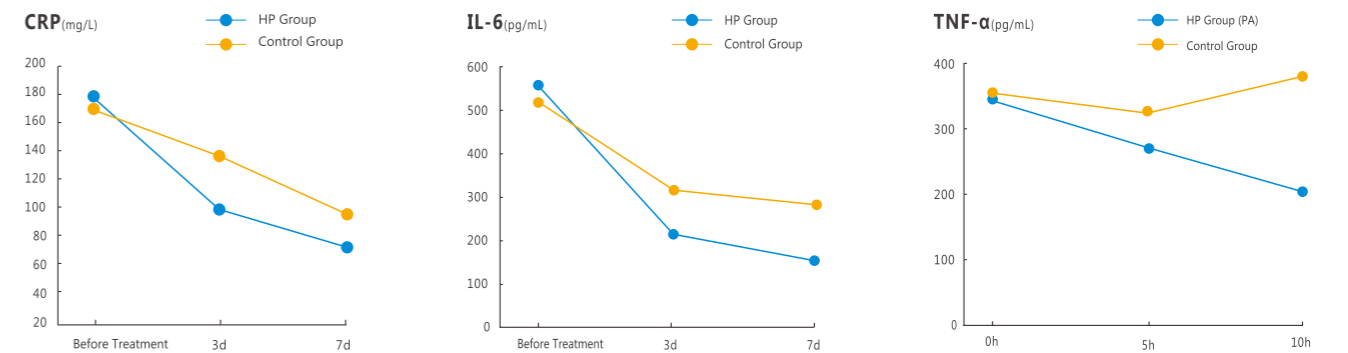
Operation Modality



Sepsis is the life-threatening organ dysfunction caused by a dysregulated host response to infection.



HA330 effectively clear excessive inflammatory mediators.^[4-5]



HA330 improve organ function.^[8-9]

