

HA Cartridges Operation Related FAQ

1. Why should we heparinize the HA cartridges?

- Heparin molecular weight: 15kDa.
- Heparin is expected to be adsorbed if used for systemic anticoagulation.
- Jafron recommends heparinization by injecting heparin into the cartridge 30 minutes before priming to prevent the possible adsorption of heparin and prevent coagulation problem, ensuring more safety procedures.
- Citrate anticoagulation is recommended for patients who do not tolerate heparinization.

2. Should we heparinize the cartridge when using citrate anticoagulation?

If the patient will go through citrate anticoagulation, you could prime the HA cartridge with 3000mL normal saline without heparin.

3. What is the blood flow rate and the duration of HP treatment?

The recommended blood flow rate and treatment duration are as follow:

HP	Blood flow rate: increase gradually from 100~150mL/min to 200~250mL/min.
	Duration: 2~2.5 hours.
HP+HD/HDF	Blood flow rate: usually less than 320mL/min.
	Duration: 4 hours.
HP+CRRT	Blood flow rate: usually 150~250mL/min.
	Duration: can be up to 12 hours.
HP+CPB	Blood flow rate: can be up to 700mL/min.
	Duration: usually less than 2.5 hours.
Blood flow rate: 100 ~700mL/min. Treatment duration: 2~12 hours.	

4. What kind of machines do we need to perform the hemoperfusion treatment with Jafron cartridges?

Hemoperfusion using HA cartridges is compatible with all common hemodialysis and CRRT machines.

5. How do you anticoagulate the patients during the hemoperfusion treatment?

The suggested anticoagulant type and dosage are as follow:

Heparin

Initial recommended dosage: 62.5~125U/kg.

Additional dosage:1250~2500U/hour.

Stop adding heparin 30 minutes before the end of treatment.

Low molecular weight heparin

It might be used for anticoagulation according to treatment requirements.

Citrate

When using regional anticoagulation, the concentration of citrate and calcium ions should be closely monitored during the entire treatment.

***Note:**

Due to the individual differences, above anticoagulant dosage should depend on patient's condition.

Other anticoagulation agents may be used according to the patient's condition.

Contraindications, warnings and precautions of the products, please refer to Instruction For Use.