

PLASORBA™

BR-350(L)

Plasma Perfusion Column



Selective adsorption of bilirubin and bile acid from plasma

ASAHI KASEI MEDICAL CO., LTD.
A Pioneer in Blood Purification

Selective adsorption of bilirubin and bile acid from plasma for efficient liver support.

Indication

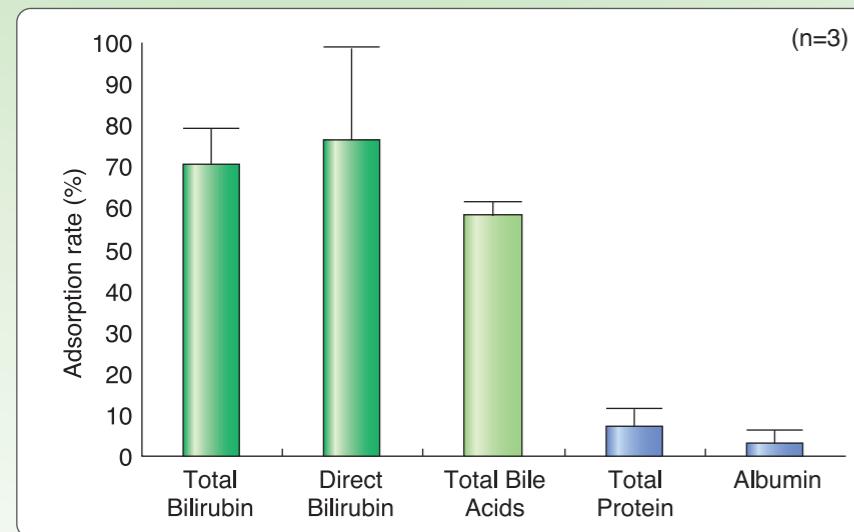
Liver diseases

(especially effective for Fulminant hepatitis, Postoperative hepatic failure, Primary biliary cirrhosis and Hyperbilirubinemia)

Features of PLASORBA BR-350(L)

- Selective adsorption of bilirubin and bile acid from plasma.
- No need for the replacement of plasma, minimizing the risk of infection with hepatitis, AIDS, etc.
- Applicable to patients with protein allergy.

Adsorption rate of plasma components (in vitro)



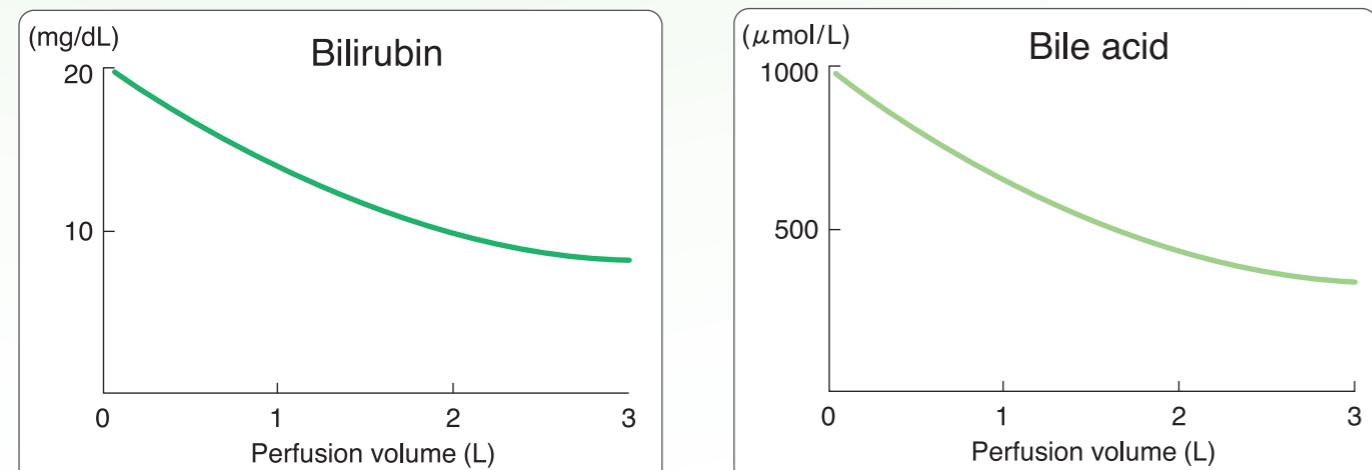
Experimental conditions

Perfusion method: One-pass operation with small scale column (1/350)
 Sample: Human plasma 2.4L (Equivalent volume)
 Flow rate: 20mL/min (Equivalent rate)

Plasma sample was collected at the column outlet point when 2.4L (equivalent volume) plasma was treated.

In-house data

Changes in bilirubin and bile acid concentration by plasma perfusion (in vitro)



Experimental conditions

Sample: Bovine plasma 2L

(5 units/mL heparin, 20 mg/dL bilirubin and 1000 μmol/L bile acid added bovine plasma)

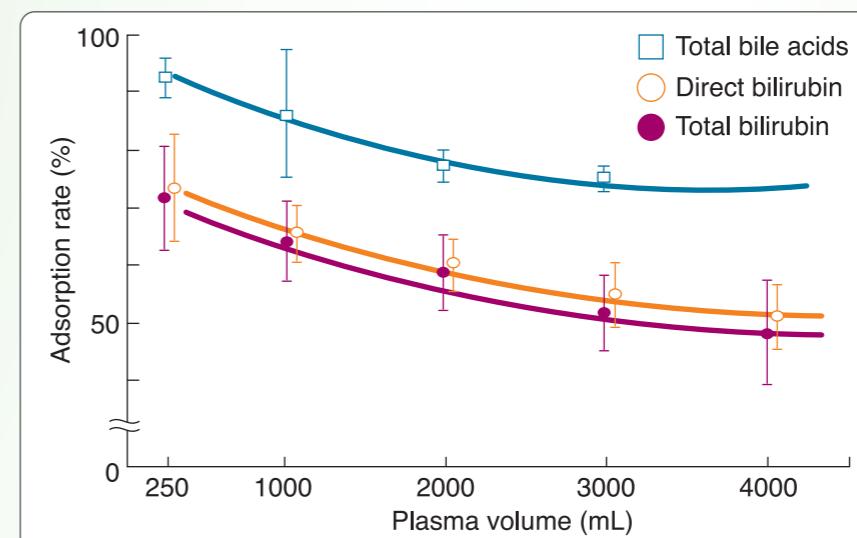
Temperature: 37°C

Perfusion rate: 20mL/min

In-house data

Clinical Course

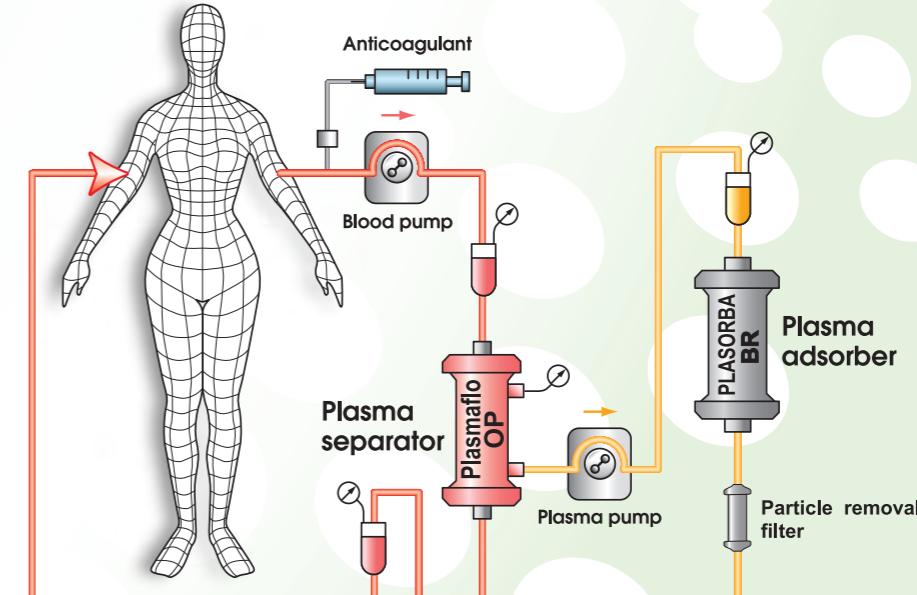
Changes of adsorption rate (in vivo)



Patients: n=6
 Total treatments: 29 times

First Department of Surgery, Okayama University, Japan

Circuit Diagram



Specifications

Adsorption Column	Adsorbent	Material	Styrene divinylbenzene copolymer
	Volume		350mL
Container	Material	Polypropylene	
	Dimension	220mm [L] x 62mm [D]	
Weight		600g	
	Sterilization	High pressure steam	
Particle removal Filter	Material	Polyethylene (coated with ethylene-vinylalcohol copolymer)	
	Area	0.07m ²	
Container	Material	Polyvinyl chloride	
	Dimension	165mm [L] x 22mm [D]	
Priming Volume		30mL	
	Sterilization	Ethylene oxide	

Caution

The PLASORBA BR-350 is intended for the treatment of plasma. Never run whole blood through the PLASORBA BR-350. Thrombocytes cannot pass through the PLASORBA BR-350 and may cause blockage. Do not use the PLASORBA BR-350 with plasma containing a large amount of thrombocytes.

References

【Reviews of the product】

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