



**DIACARE
SOLUTIONS**

Trusted Partner

DX

Disposable Bilirubin Adsorption Column

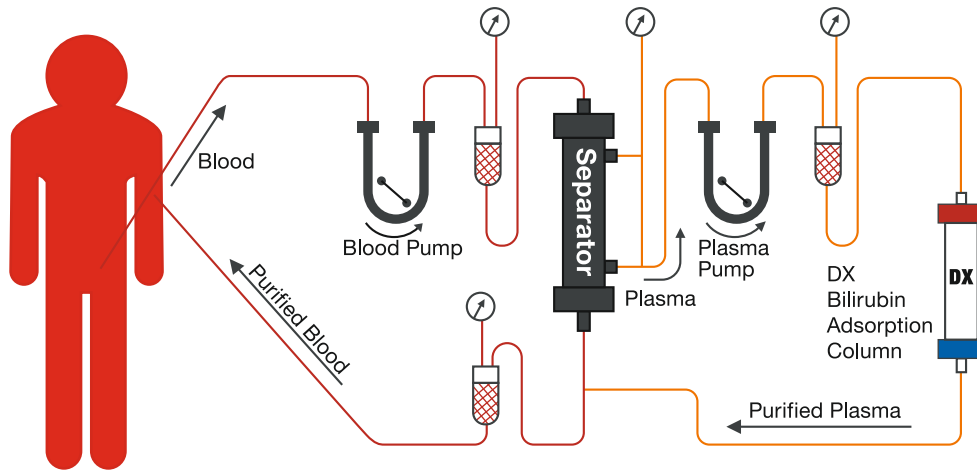


www.diacaresolutions.com

TREATMENT SKETCH

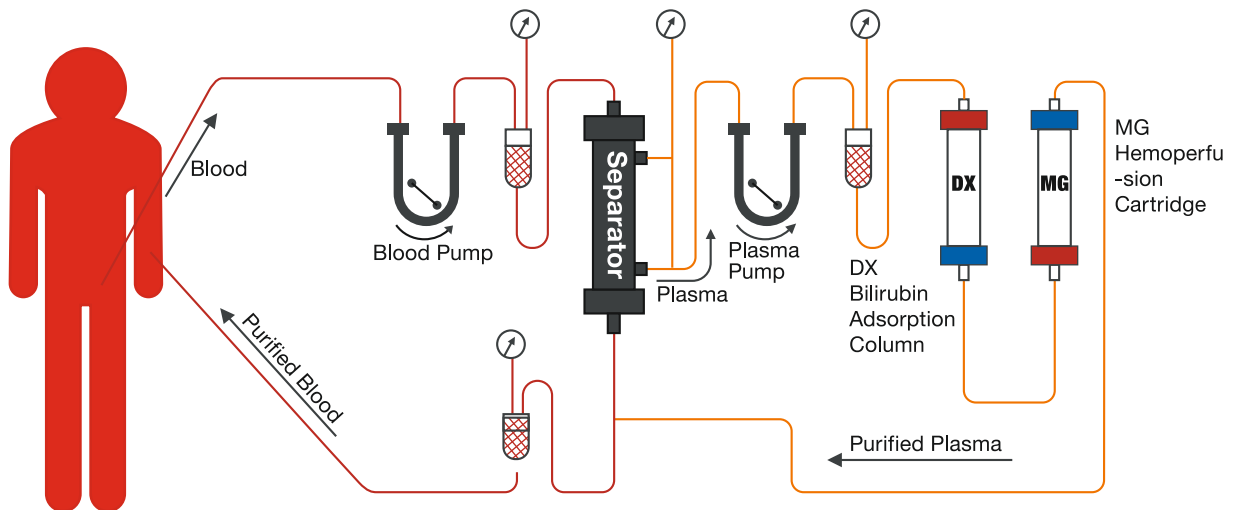
Plasma Bilirubin Adsorption:

After the plasma separator's separation, the plasma is purified by DX Bilirubin Adsorption Column, then flows back to patient's body.



Bilirubin Inflammation Molecular Adsorption System (BIMAS):

After the plasma separator's separation, the plasma flows through DX Bilirubin Adsorption Column and MG Hemoperfusion Cartridge in order, then flows back to patient's body.



INDICATION

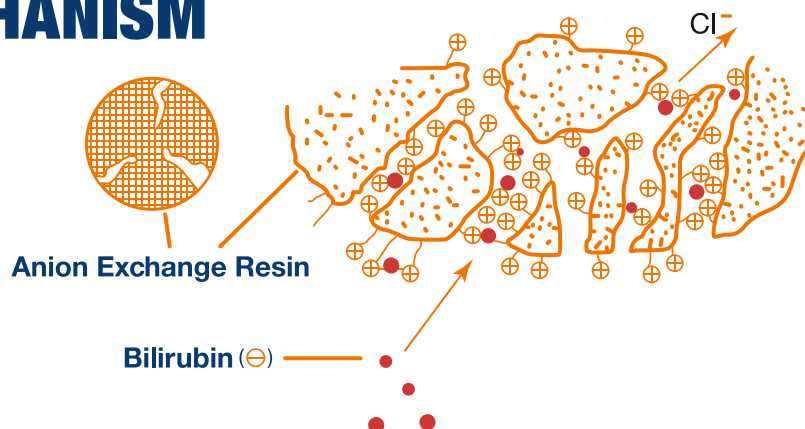
DX Bilirubin Adsorption Column is capable of adsorbing direct bilirubin, indirect bilirubin and bile acid.

The indication as:

- a. hepatic encephalopathy, such as fulminant hepatitis
- b. post-operation liver failure
- c. primary biliary cirrhosis
- d. hyperbilirubinemia and hyperbileacidemia caused by various diseases

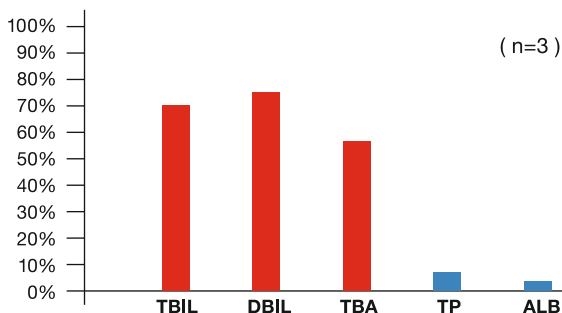
ADSORPTION MECHANISM

It is considered that the adsorption of the bilirubin is done by electrostatic interaction between the negative charge of the carboxyl group of bilirubin and the positive charge of quaternary ammonium salt of the anion exchange resin.



LAB TEST RESULT

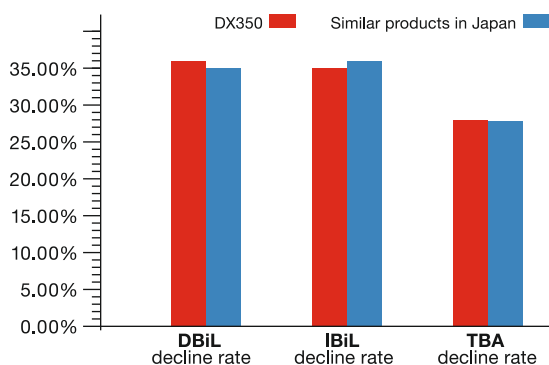
Adsorption Rate %



CLINICAL TEST RESULT

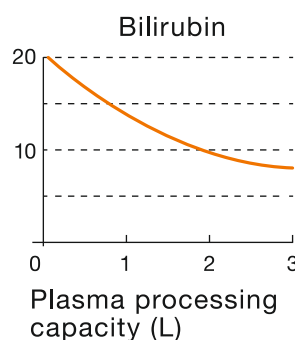
Plasma Bilirubin Adsorption Clinical Study: Shanghai Changzheng Hospital, The First People's Foshan Hospital and The Eighth People's Guangzhou Hospital verify clinical result:

The indexes before and after DX Bilirubin Adsorption Column plasma bilirubin adsorption treatment has statistical significance.

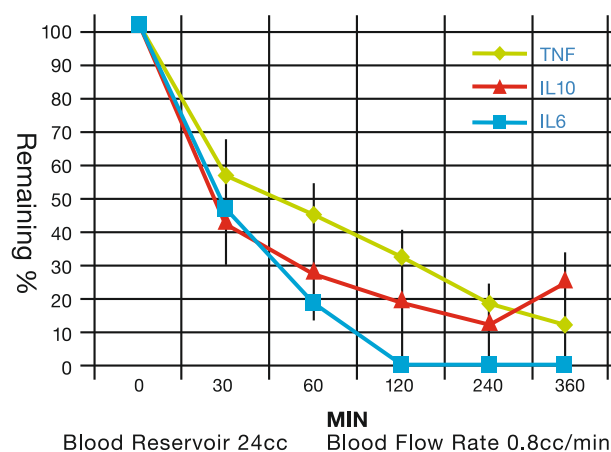
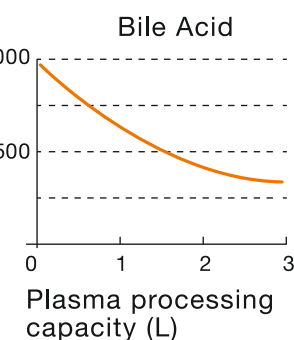


BIMAS CLINICAL TEST RESULT

(mg/dL)



(μ mol/L)



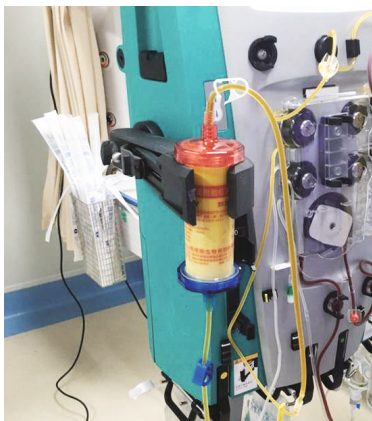
The clinical data show that BIMAS can effectively remove bilirubin and inflammation mediators in patient's blood. Further more, this system will relieve patient's inflammation and immunoreactions. Finally, it can reduce most of syndromes and improve their prognosis.

APPLICATION SCENARIOS

DX Bilirubin Adsorption Column can match most of CRRT machines and blood purification systems



Fresenius



Baxter (Gambro)



B.Braun

ADVANTAGES

- a. High selectivity for bilirubin and recycling plasma
- b. No need supplying plasma and minimizing the risk of the infection of hepatitis and AIDS.
- c. Preventing patient protein allergy.



www.diacaresolutions.com



CORPORATE OFFICE :

Unit No. 408, 4th Floor, Eco Star, Vishweshwar Nagar, Off. Aarey Road, Goregaon (E), Mumbai - 400063.
Tel.: +91-22-45161475 | Email : enquiry@diacaresolutions.com

BRANCH OFFICE :

Office No. 212, Surya Kiran Building, Plot No 19, Connaught Place, K. G. Marg., New Delhi - 110001.
Mobile : +91-8800908729 | Email : enquiry@diacaresolutions.com

MANUFACTURED BY :

Foshan Biosun Medical Technology Co., Ltd.
No. 89, Taoyuan East Road, Shishan, Nanhai, Foshan City, Guangdong Province, P. R. China