

# The HEMOBAG®

## Autologous Whole Blood Salvage Device for Surgery

The HEMOBAG® Blood Salvage Device is a reservoir system that allows blood to be Salvaged, Hemoconcentrated and Infused back to the same patient quickly. As a form of autologous whole blood management and conservation, it salvages anticoagulated whole blood from cardiopulmonary bypass circuits and other Extracorporeal circuits and Reservoirs using existing ultrafiltration technology.

The HEMOBAG® and TS3 system lets you double the use of any hemoconcentrator, allowing it to be used both during the case traditionally, and after the procedure to salvage the patients own autologous whole blood in the same TS3 circuit. (over)

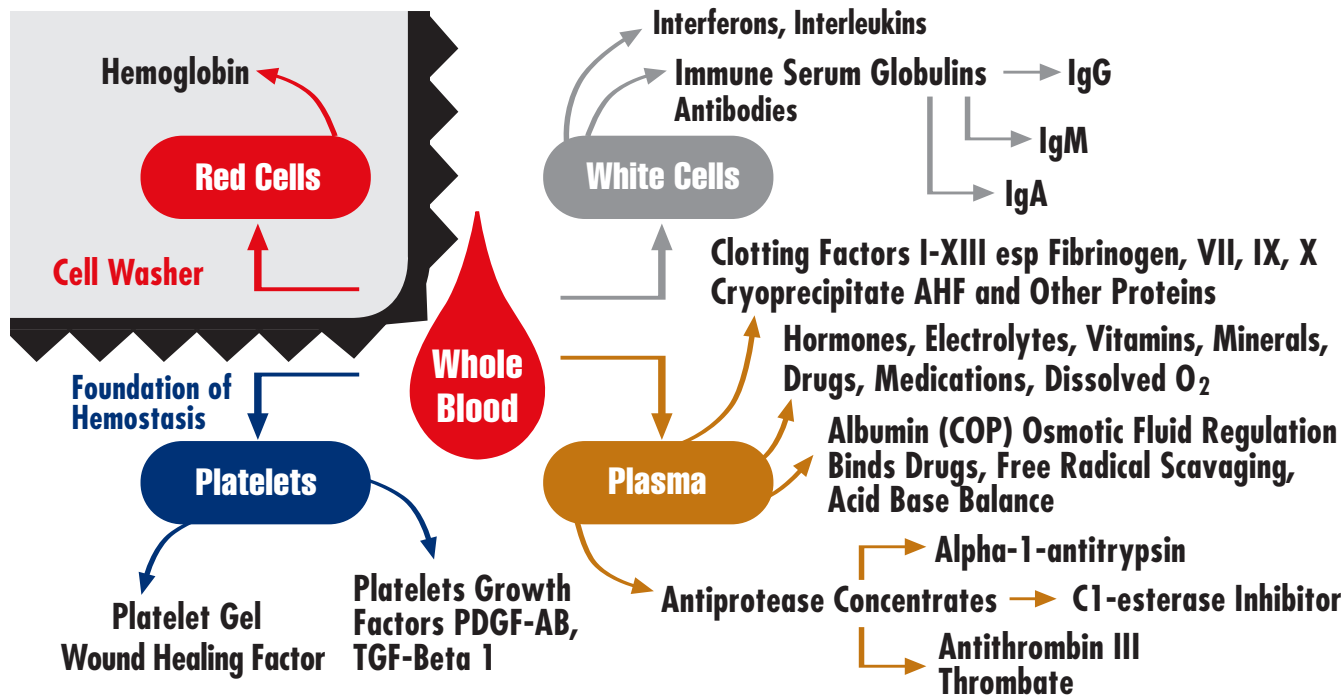
**Increase the Patients Viscosity and COP**  
Now you can get the benefits of Off-Line MUF, Salvaging concentrated autologous whole blood quickly, safely and easily, and **STOP** throwing any of the patients own vital blood cells and proteins away!



Global Blood Resources LLC

### The benefits of ultrafiltration are numerous:

- Save the patient's own concentrated Platelets, Clotting Factors, Plasma Proteins, Albumin (COP), especially Fibrinogen, and Factors VII, IX, X, XIII.
- Create a hyperoncotic whole blood product with reduced Anaphlatoxins and Cytokines and can improve Hematocrit, Hemodynamics, Pulmonary Functions and Hemostasis all within a matter of minutes of using any Extracorporeal circuit (ECC) or Reservoir.
- Efficiently salvage the patient's own Autologous Whole Blood Quickly and Safely while ensuring that the circuit remains primed and ready to go back on in an emergency at any time!



**“Do you process your pump blood with a cell washer?”**

**Look What You Are Throwing Away!**

- Save More Blood
- Reduce Costs
- And Improve Patient Outcomes!

Data on file, Call us for more information!

(800) 942-9243 • [www.mybloodfirst.com](http://www.mybloodfirst.com) • Fax (860) 763-7045

# Take Hemodilution Out of the Equation without Spending More Money to Get Less!

The **HEMOBAG® Blood Salvage Device** reservoir works in combination with any commercially available hemoconcentrator by connection with the TS3 Tubing Set.

The **TS3 Tubing Set** is specifically designed to work with the HEMOBAG® in performing Off-Line MUF / Ultrafiltration of anticoagulated whole blood collected from any Extracorporeal circuit or Reservoir for autologous blood salvaging. This technique removes large quantities of plasma water in a relatively short period of time, thereby reconstituting the red cell mass and plasma proteins, providing a richly concentrated autologous whole blood product that is quickly made available for gravity infusion.

The **TS3 Tubing Set** is made up of two independent 1/4 inch tubing loops linked together.

1. The "Standard Loop" or intraoperative loop is used for traditional hemoconcentration during any extracorporeal circuit use such as cardiopulmonary bypass surgery.
  2. The "Recovery Loop" or post-procedural loop is used for blood salvaging, with multipass Off-Line MUF / Ultrafiltration to enhance autologous whole blood concentration in conjunction with the HEMOBAG® Blood Salvage reservoir at the end of the procedure that requires any Extracorporeal circuit (ECC) or Reservoir.
- \* The Hemobag® blood salvage device offers an efficient technique that can be used in treatment with Jehovah's Witness patient's wishes & guidelines.

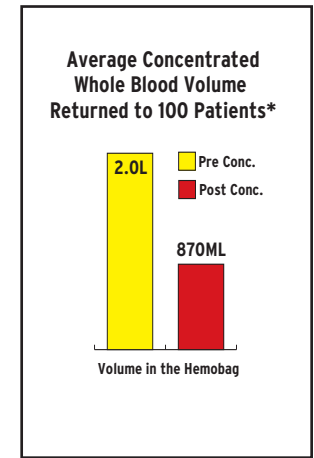
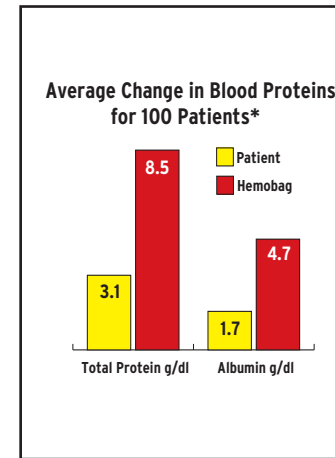
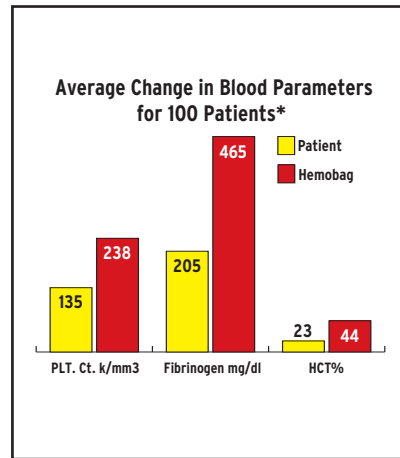
**Cell Washer**

**vs.**

**HEMOBAG®**

If you were the patient, you would want **all** your own blood back first, and **not** discard any of your own precious and vital autologous cells and proteins!

Reprinted with permission Farmer S, Webb D. *Your Body, Your Choice: The layman's complete guide to bloodless medicine and surgery.* Singapore: Media Masters: 2000.



\*Time to final volume from Multipass Off-Line MUF Ultrafiltration  
10 minutes while keeping the (ECC) primed & secure!

