

# Solutran<sup>®</sup> hemo BLOOD bags

by Meditalia

your solution

## For human blood and blood components

### Summary table of performances of MEDITALIA blood bags for the collection of 450 ml of blood

- Highly efficient 16 G venipuncture needle.
- Flexible blood collection tube of length =1100 mm, internal diameter = 3.2 mm and wall thickness = 0.6 mm.
- Excellent handling characteristics.
- Optimal flexibility and transparency of the bag walls plastic material
- Optimal flexibility of the tubes connecting the primary bag to the satellite bags.
- Efficient connection of the outlet ports to blood transfusion sets.
- Easy click-tip fracture.
- Efficient transfer of blood components into the different containers.
- Optimal gas permeability.  
Average oxygen permeability of Solutran Hemo<sup>®</sup> plastic bag for platelet storage, O<sub>2</sub> TR = 680 cc/m<sup>2</sup>·24h·atm; CO<sub>2</sub> TR = 10205 cc/m<sup>2</sup>·24h·atm. Test carried out in compliance with the European Pharmacopoeia.
- Full compliance with the requirements of the European and Italian Pharmacopoeia and related regulations for sterile plastic containers for human blood:

ITEM	TEST RESULT
Resistance to centrifugation (5,000 g x 10 min)	No leakage, no distortion
Resistance to stretch (20 N for 5 seconds)	No breakage, no deterioration
Leakage (67 kPa for 10 min)	No loss in walls, seals and joints
Emptying under pressure (40 kPa internal pressure)	Completed in 40 sec (requirement <2 min)
Speed of filling (9.3 kPa pressure)	Completed in 2.5 min (requirement <8 min)
Resistance to temperature variations (from -80 to +50 °C)	Full compliance with tests for resistance to centrifugation, resistance to stretch, leakage, emptying under pressure and speed of filling
Transparency (opalescent solution with absorbance = 0.4)	Easy appreciation of turbidity
Red cell hemolysis at the end of storage (42 days)	≤0.3%; n=3
Optimal Ph of platelets after 7 days of storage	6.88 - 7.12; n=3