



“For over 25 years, we have enjoyed an excellent relationship with Haemonetics. During this time we have always been pleased with the company’s devices, disposables and consultation services. Together, Haemonetics solutions and personal contact with the company’s representatives have helped RKU develop an effective and profitable autologous blood management program that has benefited our patients.”

*Dr. Peter Geiger  
Head of Department of Anesthesiology  
and Intensive Care Medicine  
April 2009*

Germany

# Universitäts- und Rehabilitationskliniken Ulm saves 166,000 € with Cell Saver<sup>®</sup> 5+ and MCS<sup>®</sup>+ systems

## Challenge

The Department of Anesthesiology and Intensive Care Medicine in the Universitäts- und Rehabilitationskliniken Ulm (RKU) in Germany wished to avoid homologous blood transfusions in elective orthopedic surgery and thereby reduce postoperative infection rates, patient length of stay, and their associated costs. They wanted to instate a practice that would produce autologous plasma and red blood cells and that would result in both the best patient outcomes and a sound economic investment in technologies.

## Solution

Haemonetics introduced the Cell Saver<sup>®</sup> 5+ Autologous Blood Recovery System and the MCS<sup>®</sup>+ Mobile Collection System into the hospital’s blood management program. The MCS+ system allowed anesthesiologists to prepare each patient with autologous blood products for delivery back to the patient. In addition, the Cell Saver System processed and washed the patient’s shed blood intra- and postoperatively, and returned the highest quality blood available – their own – which is the best precondition for an expedient recovery without complications.

## Results

- Using the MCS+ device, RKU produced 3059 units of autologous plasma (300 mL each) and 207 units of RBC (250 mL each) in 1044 patients. Because the plasma may be frozen for two years without a decline in quality, surgeons are now able to plan for surgery with more flexibility.
- Using the Cell Saver System, RKU produced 415 liters of washed RBCs, which is equivalent to 1660 blood bank units (100 € each), which translates into a cost savings of 166,000 €.



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