

Composol PS

Multiple electrolyte solution for storage of platelet concentrates



For up to 7 days
PLT storage

Improves pH control

Standardizes
platelet processing

Reproduces the
density and viscosity

Minimizes
transfusion reactions



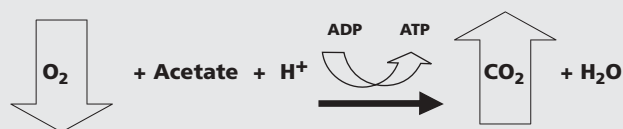
Formula of Composol PS:

Citrate	11 mmol/l
Acetate	27 mmol/l
Sodium	173 mmol/l
Potassium	5 mmol/l
Magnesium	1.5 mmol/l
Chloride	98 mmol/l
Gluconate	23 mmol/l
Water for injections ad	1000 ml
Osmolality	305 mOsm/kg
pH	7.2 (7.0 – 7.4)

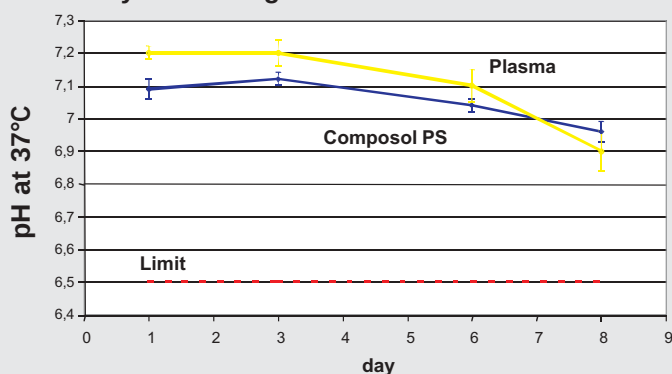
(based on US Pharmacopeia - CE marked according with EC-Directive 93/42/EEC)

- **Citrate** reduces PLT activation during storage
- **Acetate** is used as energy source by the platelets. Consumption of acetate does not lower the pH of the supernatant. Plasma bicarbonate is not required to buffer the H^+ produced by glucose degradation. This leads to an improved pH control.

TCA cycle:

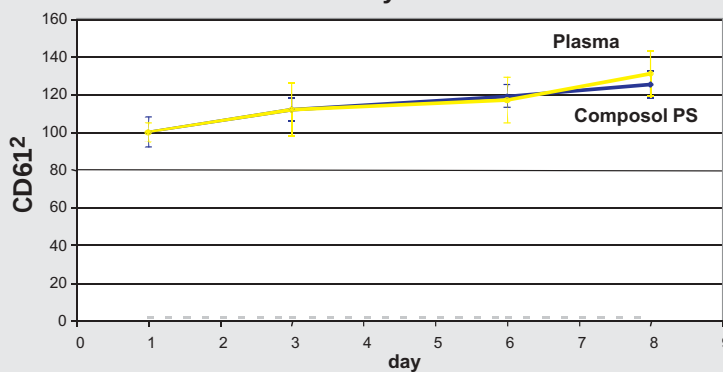


Physical Storage Parameter



The pH of the platelet concentrate is well maintained both in Plasma and Composol

Activation of Thrombocytes



Platelet in plasma and Composol shows comparable changes

Literature:

1. Fijnheer et al Vox Sang 1991; 60:16-22
2. Boomgaard et al Vox Sang 1994; 66:18-24
3. Koerner Vox Sang 1994; 67:154-159
4. P. van der Meer Report B.B. Amsterdam, Foundation for Scientific Research in Blood Transfusion May 6, 1998
5. P. van der Meer Report B.B. Amsterdam, Foundation for Scientific Research in Blood Transfusion August 25, 1999
6. Kostelijk et al Transfusion Medicine 2000; 10, 131-139
7. P. van der Meer et al, NVB Nieuwsbulletin May 25, 2000
8. Kostelijk et al Vox Sang 2000; 79:21-26
9. P. van der Meer Transfusion Medicine 2001; 11, 193-197
10. J. Seghatchian, P. Krailadsiri Transfusion and Apheresis Science 24 (2001), 291-292

Ordering information:

For more information, literature, technical details and working procedures as well as for equipment please contact your local sales organization or us.

Order number

Packaging size

Platelet Storage

Composol PS (300 ml)

E 2083

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The 300 ml Dockflex bag is equipped with tubing available for sterile connection.



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