MCS®+ 9000

The Added Advantage In Platelet Collection

HAEMONETICS®
THE Blood Management Company

Add More Platelets in More Places with the MCS®+

Donors

Collecting more platelets starts with reaching more donors. And many donors—from smaller individuals to those with lower platelet counts or time constraints—are more suited to single unit collections. Many other potential donors only consider donation when mobile units come to them. So optimize all collections with the proven technology and unique mobility of the MCS+ device for every donor everywhere.

Places

- Fixed Sites
  - Collect single platelet units more cost-effectively
  - Increase comfort for all donors using saline return
- Mobile Sites
  - Access new platelet donors and build your donor base
  - Increase mobile drive profits by collecting more platelets

Platelets

Mobile	Collection	System
■ Only 56 pounds for ultimate portability—lightest in the industry ■ Rugged device withstands any mobile environment ■ Customized transport case doubles as a device stand	■ Cost-effective collection from single platelet donors ■ Proven separation technology ■ State-of-the-art leukoreduction with continuous filtration ■ Double unit and concurrent plasma capabilities	■ Automated pressure cuff, saline return and reduced citrate usage for donor comfort[1, 2] ■ Simple installation, operation and automated cycles for operator ease of use ■ Robust family of devices with quiet performance

Partnering with Haemonetics

- Industry-leading equipment reliability and disposable quality 300%+ better than the general average,[3] optimizing uptime and increasing efficiency
- Expert support for program implementation and extensive post-installation monitoring delivers enhanced staff productivity to meet collection and operational goals

1 Only platelet device with zero vasovagal or citrate reactions per 1,000 donors. M Kim, Korean Red Cross, Seoul; J Shin, Soonchunhyang University Hospital, Seoul; et al. A Comparative Study Among Three Cell Separators. Transfusion 2002; 42:35S.
2 "Donors sensitive to citrate could benefit from the reduced citrate infusion rates of MCS+." S M Radojska, S M Picker, et al, Medizin, University of Cologne, Germany. Prospective Comparison of Citrate Donor Load Between Different Multicomponent Apheresis Systems. Transfusion 2005; 45:47A.
3 M Harry, R Schroeder. 1999, "Six Sigma—Breakthrough Management Strategy."

Bring Safety, Efficiency and Cost-Effectiveness to Platelet Collection

Why Single Donor Platelet Collection?

Clinical Advantages

In comparison with whole blood random donor platelets (RDP), single donor platelets (SDP) offer several significant advantages:

- Provides a consistent dose for transfusion
- Delivers less risk of bacterial contamination[4]
- Exhibits less cellular activation[5]
- Ensures better platelet recovery rates and longer survival[6]
- Decreases risk of infections, allergic reactions and platelet alloimmunization for patients

Processing Advantages

- SDP collection requires only one donor per dose, while RDP collection requires multiple donors.
- SDP collection eliminates the need for additional processing and testing, providing platelets that are ready faster to meet patient needs.
- Software adjusts the plasma levels each cycle, as needed, to achieve a consistent target yield and concentration.

Studies Indicate the Risk of Bacterial Contamination Is Up to 5x Less with SDP

	RDP	SDP	P
Ness et al.	1:4818	1:15,078	N/A
Yomtovian et al.	1:418 (pools)	1:2213	0.001
Yomtovian et al. (contaminated units transfused)	1:294	1:8011	0.001

Ness et al. Transfusion 2001;41:857-861.
Yomtovian et al. Transfusion 2006;46:719-730.

Apheresis SDP Had 19% Better Recovery and 33% Longer Survival than WB RDP

In Vitro 5-day	Apheresis	RDP	P
P-Selectin %	16.4	22.0	0.035
Morphology Score	257	232	0.008
In Vivo	Comparison of recovery and survival of whole blood platelets vs. apheresis platelets		
	Whole Blood	Apheresis	P
% Recovery	43	51	0.03
Survival (hrs)	101	134	<0.001

D Arnold, N Heddle. Transfusion 2006;46:257-264.

4 Ness et al. Transfusion 2001;41:857-861.
Yomtovian et al. Transfusion 2006;46:719-730.
5 M Bock et al. Transfusion Medicine 2002;12:317-324.
6 D Arnold, N Heddle. Transfusion 2006;46:257-264.

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To find out more about how Haemonetics continues to advance healthcare with innovative blood management solutions, call us at 1-800-225-5242.

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