

# UPP<sup>®</sup>

## Universal Platelet Protocol

Bringing performance and flexibility to the next level

The ultimate software evolution for the MCS<sup>®</sup>+ device

INTEGRATED DEVICES



  
**HAEMONETICS<sup>®</sup>**  
THE Blood Management Company<sup>®</sup>

**The Universal Platelet Protocol (UPP®)**  
is a single protocol card which introduces  
performance benefits and the flexibility to collect  
standard as well as concentrated platelets in  
combination with Red Cells and Plasma.



### **New features**

- Automated disposable set installation control
- New Extra Corporeal Volume (ECV) management
- New plasma management
- New calculation of the donor platelet post-count (estimate)
- New anticoagulation regime optimizes platelet recoveries

### **UPP® is the ultimate evolution for the MCS®+ device**

- Boost flexibility: Platelets in plasma or additive solution
- Enhance performance: Faster routine platelets procedures
- Improve donor experience
- No machine hardware changes required

## Enhance performance

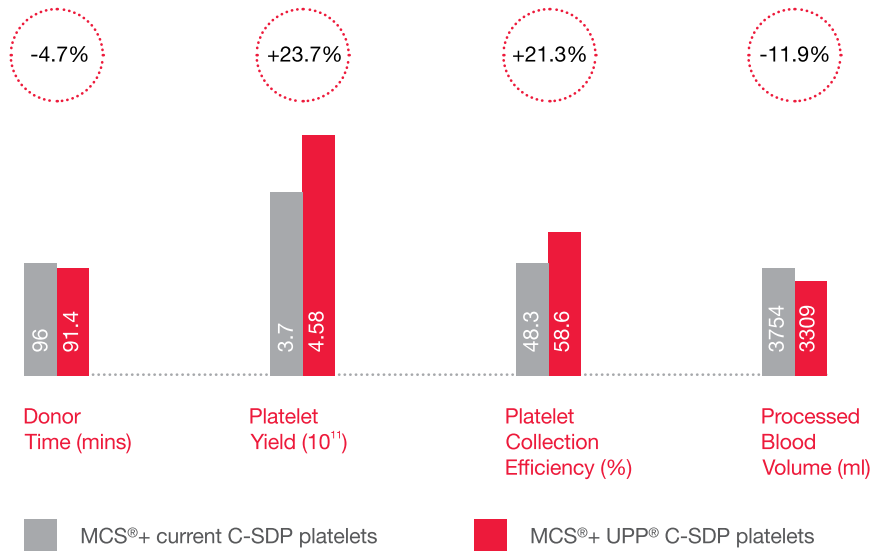
### Faster routine platelets procedures

- Optimizes blood processing speed with elimination of procedure dead times
- Reduces donor time from 10% when collecting platelets in plasma to more than 15% for C-SDP collections

### Productivity improvement

- Concentrates platelets by more than 15 times the donor pre-count (C-SDP) to further reduce the residual plasma volumes for platelets in additive solution<sup>1</sup>
- Collects higher yields within comparable procedure time

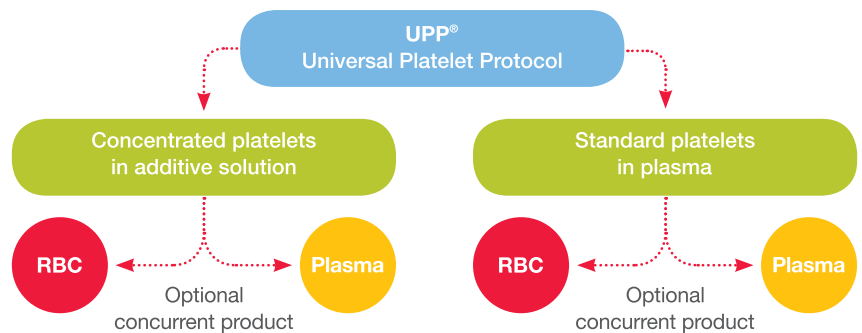
### Comparative improvement of productivity for C-SDP platelets<sup>1</sup>



## Boost flexibility

- Collects platelets in plasma, or concentrated platelets suspended in platelet additive solution
- Meets the requirements for pathogen inactivation methods currently available
- Offers optional concurrent collection of plasma and/or red blood cells with all available platelet options

### UPP® combines all possible platelet options into a single application



## Improve donor comfort

Enhances donor comfort with its new Extra Corporeal Volume management, utilizing anticipated plasma return and improved citrate return control

### Modified draw mode with anticipated plasma return



<sup>1</sup> Clinical test reports TR-CIB04006 & TR-CLN-100258

## Specifications

UPP® protocol operates on all existing international Haemonetics® MCS® + LN 9000 Devices (for sales and distribution outside of the U.S. only). UPP® is available as a separate protocol portfolio containing the user instructions and the protocol software.

No machine hardware changes are required

## Ordering Information

UPP®, Universal Platelet Protocol

LN 112320-XX

For information about different language versions,  
please contact your local sales representative

## Disposable Sets

Disposable sets are sold separately

Product reference	Product description
999F-E	Conc PLT & PLS Set w/Filter
949FF-E	PLT & RBC Set w/PLT & RBC Filter
997CF-E	PLT & PLS Set w/Filter
999FF-P-SL	PLT & Plasma Set w/Filters*
949FF-P-SL	PLT & RBC Set w/PLT & RBC Filter*
996E	PLT & PLS Set Single Dose
996E2	PLT & PLS Set Double Dose

\*only available in France

### Haemonetics Australia Pty. Ltd.

#### (Sydney office)

Suite D, Level 2,  
Everglade Campus,  
82 Waterloo Road,  
Macquarie Park,  
NSW 2113, Australia  
Tel: 1800 209 515  
Fax: 1800 894514

### Haemonetics Korea, Inc.

1703, City Air Tower,  
159-9, Samsung-dong,  
Gangnam-gu, Seoul,  
135-973, Korea  
Tel: (82 2) 551-3276  
Fax: (82 2) 551-3278

### Haemonetics Asia Inc.

#### Taiwan Branch

26F-1, no. 102, Roosevelt Road Sec 2  
Taipei, Taiwan, R.O.C.  
Tel: (886 2) 2369 0722  
Fax: (886 2) 2364 3698

### Haemonetics (Hong Kong) Ltd.

Room 2202-03, 22/F  
Harbour Centre, 25 Harbour Road  
Hong Kong  
Tel: (852) 2868 9218  
Fax: (852) 2801 4380

### Haemonetics Medical Devices (Shanghai) International Trading Co., Ltd.

Room 1103-06 Evergo Tower,  
No. 1325 Middle Huahai Rd,  
Shanghai 200031, China  
Tel: (86 21)53895200  
Fax: (86 21) 54668852

[www.haemonetics.com](http://www.haemonetics.com)



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