

With Intelligent Control



Cell Saver[®] Elite[®]+

Autotransfusion System

Blood Quality
Versatility
Speed
Simplicity



HAEMONETICS[®]

Cell Saver[®] Elite[®]+

Autotransfusion System

Reducing the need for donated blood transfusions has well-documented benefits to the patient and cost benefits to your facility.^{1,2,3,4}

The Cell Saver Elite+ system provides hospitals with a fast, reliable, easy-to-use way to recover and deliver a patient's own high-quality blood to a product bag.



Introducing Intelligent Control

Experience a whole new level of versatility and greater control with simplified software designed for speed and efficiency.

- Enables full user control with Manual Mode
- Adds AABB[®] recommended wash volumes without sacrificing blood quality
- Quickly transfer blood to the RBC bag for critical blood loss situations
- Streamlined operation with over 50 automation enhancements

Returns high-quality blood during medium to high blood loss procedures

- Cardiac
- Orthopedic
- Trauma
- Transplant
- Vascular
- OBGYN



¹ *Blood Transfus* 2011;9:139-47 DOI 10.2450/2011.0081-10

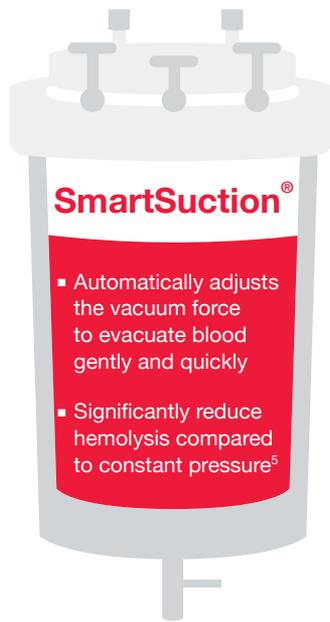
² Frank, S.M., Sikorski, R.A., Konig, G. et al. Clinical Utility of Autologous Salvaged Blood: a Review. *J Gastrointest Surg* 24, 464–472 (2020) <https://doi.org/10.1007/s11605-019-04374-y>

³ *World Neurosurg.* 2017 May;101:568–576

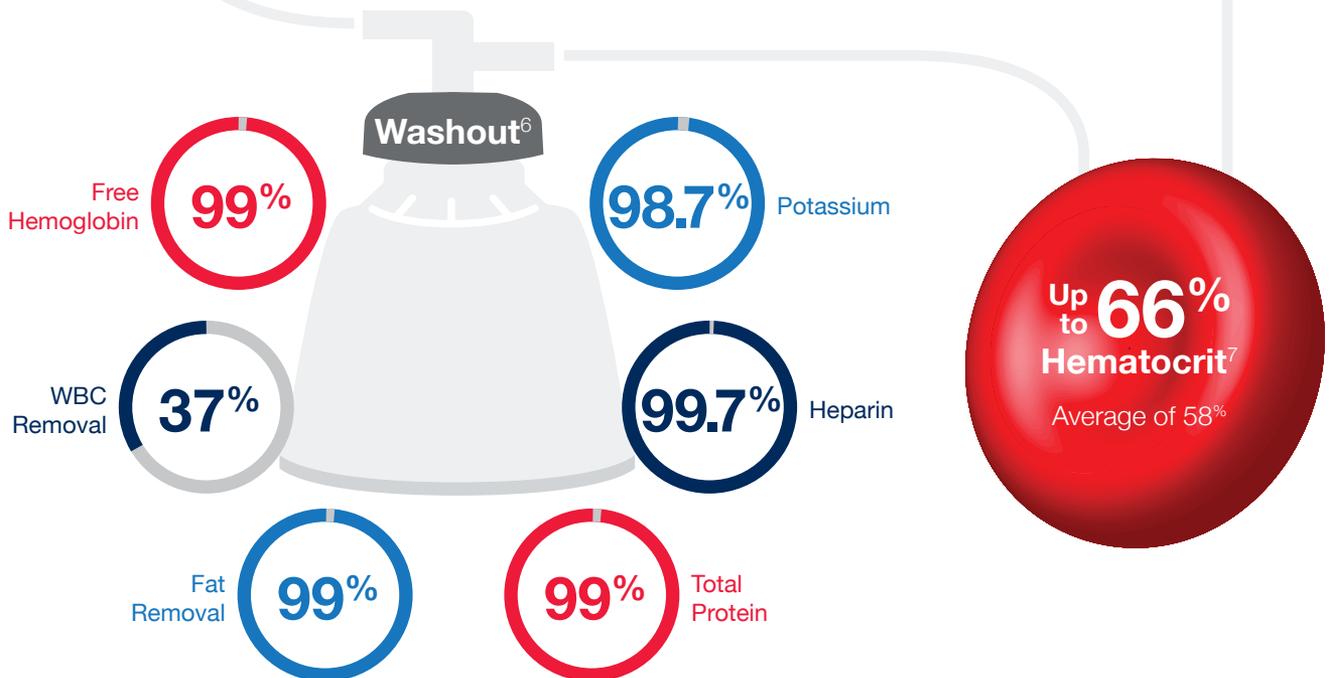
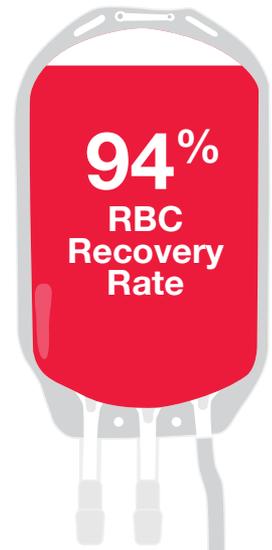
⁴ *Spine.* 2017 Mar 15;42(6):E363-E370



High Quality Blood Return



With a 50 year foundation in Autotransfusion, our Intelligent Control software builds on our SmartSuction® and Latham Bowl technologies to help maximize the recovery of RBCs available for reinfusion.



⁵ Elkin KR, Yazer M, Kameneva M, Waters J. Transfusion 2007;47(11):20A-21A [DR107247]

⁶ See Operation Manual for full performance data.

⁷ In Laboratory testing.



Versatility to Customize



From intuitive one-button operation to complete control of every process, the Cell Saver® Elite®+ system is designed to fit how you operate.

- Fully adjustable settings including
 - Wash volumes
 - Pump speeds
 - Processing modes
 - Sensor triggers
- Customize and save user profiles tailored to your performance needs
- Two reservoir filtration options
- Integrated SmartSuction® or manual suction
- Multiple bowl volume options

Three bowl sizes to customize performance based on anticipated blood loss or procedure



225 mL Bowl
Medium-High blood loss



125 mL Bowl
Low-Medium blood loss



70 mL Bowl
Low blood loss



Latham Bowl and
blow-molded separation technology



Simplicity in Design

Built for functionality, the Cell Saver® Elite®+ device features a simple interface, intuitive set up, and ergonomic design.

- Easy to learn with one-touch operation
- See performance at-a-glance with the 8.5" adjustable touch screen and status indicator beacon
- Get on-screen help with one-touch
- Start suction in seconds
- Scan barcodes for ease of data entry
- Fast set up with pre-assembled processing sets & color coded tubing lines
- Clear top cover with safety lock indicator
- Move easily with small footprint and ergonomic cart
- Secure data collection and transfer options via Wi-Fi, Ethernet, or USB



Color-coded, intuitive disposable set-up with built-in disposable tub holder for ease of loading



The Intelligent Control Suite of Enhancements

Surgery is dynamic. The Intelligent Control software update adds even more versatility, simplicity, and speed to the Cell Saver® Elite®+ system to provide you the ability to adapt to these changing demands.

Expanded Versatility

- Puts user in control with a full Manual Mode
- AABB® recommended wash volumes are available without sacrificing blood quality⁸
- More flexibility with smaller incremental wash volume settings
- Finer control of suction with smaller suction pressure increments

Enhanced Speed

- Recentrifuge delay enhancements enable faster restarts during a procedure
- Increased efficiency with the option to delay priming
- Faster pump acceleration rates
- Quick Transfer for emergency return of whole blood

Increased Simplicity

- Streamlined operation with over 50 automation enhancements
- Eliminate delays by pre-programming the Final Cycle
- Assurance with an On-Screen Cover Lock Indicator



⁸ Based on benchtop testing. See Operation Manual for complete data.

Dedicated service and support throughout the lifetime of the device⁹



System Implementation

Seamless system integration with on-site set up, operator training and go-live support with our experienced, dedicated Clinical Specialists.



Operational Training

Simplified device Quick Reference Guide and online self-paced training with College of Cell Saver[®] and on-demand video tutorials.



Continuing Education

Support through clinical & professional education programs and industry meetings.



Product Support & Service

24/7 Technical product support hotline and available dedicated Field Service Engineers on call for emergency service.

Phone: 800.537.2802, Option 3

Email: ProductSupport@Haemonetics.com

Contact us to learn more about how the Cell Saver[®] Elite[®]+ system with Intelligent Control can help support your Patient Blood Management goals.

www.cell saver.haemonetics.com



Cell Saver® Elite®+

Autotransfusion System

Ordering Information

Description	List Number	Qty per Case
Cell Saver® Elite®+ System	CSE-EW-US	1
Cell Saver Elite Cart	CSE-EA-1000	1
Cell Saver Elite Fast Pack (225 mL, 205, 208, HAR-A-1000)	CSE-FP-225V	4
Cell Saver Elite Fast Pack (225 mL, 220, 208, HAR-A-1000)	CSE-FP-225F	4
Cell Saver Elite Fast Pack (125 mL, 205, 208, HAR-A-1000)	CSE-FP-125V	4
Cell Saver Elite Processing Set (225 mL)	CSE-P-225	8
Cell Saver Elite Processing Set (125 mL)	CSE-P-125	8
Cell Saver Elite Processing Set (70 mL)	CSE-P-70	8
Sequestration Kit	CSE-SQ-1000	8
Collection Reservoir w/150 µ filter, 3 L	00205-00	4
Collection Reservoir w/20 µ filter, 3 L	00220-00	4
Cell Saver Aspiration & Anticoagulation Line	00208-00	20
SmartSuction® Filtered Vacuum Line, non-sterile	HAR-A-1000	10
RBC Bag, 1000 mL	00245-00	40
Waste Bag, 10 L	CSE-B-1000	10
Y Set with Extension Line	00240-00	8
Extension Line	00401-00	20
Step Down Adapter	ATA-A-1000	20
70 mL Bowl Chuck Adapter	107581-00	1
40 µm Microaggregate Blood Transfusion Filter	SQ40S	40
40 µm Microaggregate Blood Transfusion Filter with attached straight administration set	SQ40SK	16
40 µm Microaggregate Blood Transfusion Filter with attached Y-type administration set	SQ40SY	16
LipiGuard® Filter for Salvaged Blood Stand-alone (no administration set attached)	SB1E	20
RC Leukocyte Reduction Filter for Intraoperatively Salvaged Washed Blood Stand Alone (no administration set attached)	RS1	20

Specifications

Device only	Height: 16.5 in (41.9 cm); Width: 11.75 in (29.8 cm); Depth: 21.5 in (54.6 cm)
Device with cart	Height: 72 in (182.9 cm) poles extended; 48 in (121.9 cm) poles down; Width: 21 in (53.3 cm); Depth: 26.5 in (67.3 cm)
Weight of device	< 56 lbs (25 kg)
Weight of cart	< 40 lbs (18 kg)
Voltage	100–240 VAC ±10%
Pump speed	0–1000 mL/min (adjustable)
Centrifuge speed	Latham bowl: 5650 rpm; Blow-molded bowl: 7500 rpm; Sequestration: 2050-5650 rpm (adjustable)
Fuse rating	100–240V: T3.15A250V
Operating frequency	47–63 Hz
Laser classification	Class 3R laser product
Power cord length	16 ft (4.9 m)
Certifications	ETL listed

For a list of worldwide office locations and contact information, visit www.haemonetics.com/officelocations