

INGENIOUS DESIGN MAKES IT SIMPLE.

The genius of the autoLog IQ™ system is that it makes the complex process of returning high-quality blood to patients reliable, consistent and simple.

It's exceptionally small, light, and maneuverable — fitting comfortably in cramped environments. It demands little attention while in use, freeing operators to focus on other tasks during surgery. And with just one bowl size, the autoLog IQ system simplifies ordering and storage.

Ordering Information		
autoLog IQ™ System Product Codes		
Part #	Description	Qty
ATLGIQ	autoLog IQ™ Autotransfusion System-US	1
ATLGIQ1	autoLog IQ™ Autotransfusion System-Non US	1
ATL2001	Wash Kit	6
BT725	Suction/Anticoagulation Line	10
BT1000SC	Blood Holding Bag	24
ELUWB1	Waste Bag	10
EL2120	Hardshell Blood Collection Reservoir with 120 micron filter	6
EL240	Hardshell Blood Collection Reservoir with 40 micron filter	6
EL400	4 Liter Hardshell Cardiotomy Reservoir with 120 micron filter	6
EL402	4 Liter Hardshell Cardiotomy Reservoir with 20 micron filter	6
EL404	4 Liter Hardshell Cardiotomy Reservoir with 40 micron filter	6
ATLHBIQ	Hardshell Reservoir Holder	1
ATBAG300	Autologous Transfer Bag - 300 mL	48
ATBAG600	Autologous Transfer Bag - 600 mL	48
ATBAG1000	Autologous Transfer Bag - 1000 mL	48
BCSIQ	Bar Code Scanner	1
One Source Packs		
Part #	Description	Qty
ATLS21	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
EL2120	4 Liter Hardshell Blood Collection Reservoir with 120 micron filter	
ATLS24	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
EL240	4 Liter Hardshell Blood Collection Reservoir with 40 micron filter	
ATLS00	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
EL400	4 Liter Hardshell Cardiotomy Reservoir with 120 micron filter; 1/4" and 3/8" prime ports	
ATLS02	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
EL402	4 Liter Hardshell Cardiotomy Reservoir with 20 micron filter; 1/4" and 3/8" prime ports	
ATLS04	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
EL404	4 Liter Hardshell Cardiotomy Reservoir with 40 micron filter; 1/4" and 3/8" prime ports	

Technical Information	
Electrical classification	Class I, Type BF (suction/anticoagulant line), Ordinary, Continuous operation
Power	Voltage: 100 V- to 240 V- Frequency: 50 Hz / 60 Hz Phase: Single; Current: 10 VA to 425 VA Fuses: 7 A / 250 V slow blow, 3AG, 200 A breaking capacity (Littelfuse 0313007.MXP or equivalent) Power cord: 3 prong hospital grade connector (varies by geography)
Speed, flow rate and pressure	Centrifuge: 0 rpm to 10 000 rpm (±5%) Pump: 0 mL/min to 1 000 mL/min (±5%) Vacuum: -10 mmHg to -370 mmHg (±5% +8 mmHg)
Weight sensor	Self-start: 800 mL ±200 mL
Dimensions	69 cm (27 in) wide x 80.5 cm (31.7 in) high (without IV pole) x 42.5 cm (16.7 in) deep
Weight (device including IV pole)	50 kg (110 lb)
IP rating	IPX1
Temperature limit	Operational: 15°C to 30°C (59°F to 86°F) Storage (clinic): 15°C to 30°C (59°F to 86°F) Storage (warehouse): 15°C to 30°C (59°F to 86°F) Transit: -35°C to 60°C (-31°F to 140°F)
Humidity range	Operational: 25% to 70% noncondensing Storage (clinic): 25% to 70% Storage (warehouse): 10% to 90% Transit: 10% to 90%
Pressure range	Operational: 80 kPa to 101 kPa (11.6 psi to 14.6 psi) Storage (clinic): 80 kPa to 101 kPa (11.6 psi to 14.6 psi) Storage (warehouse): 80 kPa to 101 kPa (11.6 psi to 14.6 psi) Transit: 59.5 kPa to 106 kPa (8.6 psi to 15.3 psi)

Caution: Federal Law (USA) restricts these devices to sale by or on the order of a physician. For a listing of indications, contraindications, precautions and warnings, please refer to the Instructions for Use which accompanies each product.

References

1. Blood Facts and Statistics. (n.d.). Retrieved February 15, 2018, from <http://www.redcrossblood.org/learn-about-blood/blood-facts-and-statistics>.
2. Shander, A., Hofmann, A., Ozawa, S., Theusinger, O. M., Gombotz, H., & Spahn, D. R. (2010). Activity-based costs of blood transfusions in surgical patients at four hospitals. *Transfusion*, 50(4), 753-765.
3. Friedman, R., Homering, M., Holberg, G., & Berkowitz, S. D. (2014). Allogeneic blood transfusions and postoperative infections after total hip or knee arthroplasty. *The Journal of Bone and Joint Surgery, American Volume*, 96(4), 272-278.
4. Meybohm, P., Choorapokayil, S., Wessels, A., Herrmann, E., Zacharowski, K., & Spahn, D. R. (2016). Washed cell salvage in surgical patients. *Medicine*, 95(31).
5. Sahu, S., Hemlata, & Verma, A. (2014). Adverse events related to blood transfusion. *Indian Journal of Anaesthesia*, 58(5), 543-551.
6. Dionigi, G., Boni, L., Rovera, F., Rauser, S., Cuffari, S., Cantone, G., Bacuzzi, A., Dionigi, R. (2009). Effect of perioperative blood transfusion on clinical outcomes in hepatic surgery for cancer. *World Journal of Gastroenterology*, 15(32), 3976-3983.

For more information contact your local Medtronic Sales Representative or call Customer Service toll-free at 1-800-328-1357.

Medtronic

Europe
Medtronic International Trading Sàrl.
Route du Molliau 31
Case postale
CH-1131 Tolochenaz
www.medtronic.eu
Tel: +41 (0)21 802 70 00
Fax: +41 (0)21 802 79 00

United Kingdom/Ireland
Medtronic Limited
Building 9
Croxley Park
Hatters Lane
Watford
Herts WD18 8WW
www.medtronic.co.uk
Tel: +44 (0)1923 212213
Fax: +44 (0)1923 241004

UC201711502EE © Medtronic 2018.
All rights reserved. Printed in Europe.

medtronic.eu

SIMPLY GENIUS

autoLog IQ™
Autotransfusion System



Medtronic

INTELLIGENT
EASY
ADAPTABLE



7-inch touchscreen, intuitive user interface



Storage for 2 wash kits and reservoir



Optional bar code scanner



Handle converts to wash kit holder



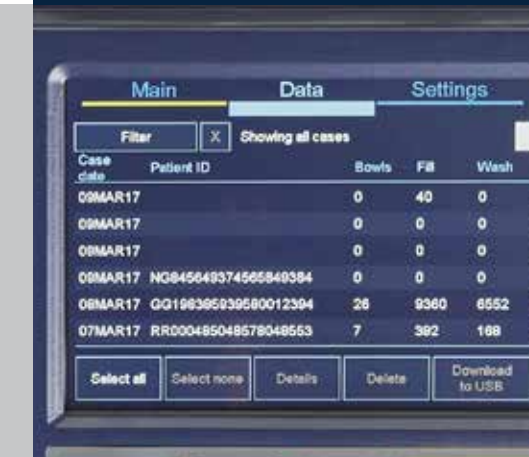
Back storage for wash kit



Removable micro-storage tray for small items



USB port to download patient records



Stores up to 100 patient case records



Lay-flat kit setup secures tubing placement



Removable front storage for supplies



Spill trap door

HIGH-QUALITY
SERVICE AND
SUPPORT,
DELIVERED
CONSISTENTLY

Medtronic is proud to offer equipment services and support structured in a way that meets individualized hospital needs through multi-tiered offerings. Highly-trained Medtronic service and support professionals, with specialized diagnostic tools and rigorous processes, help to:

- accurately diagnose issues,
- identify and mitigate risks,
- optimize performance, and
- extend the lifecycle of the equipment.

For more information on the value of our equipment service and support offerings:

International:
Please contact your local Medtronic Office.

United States:
Phone: 1-800-433-4311

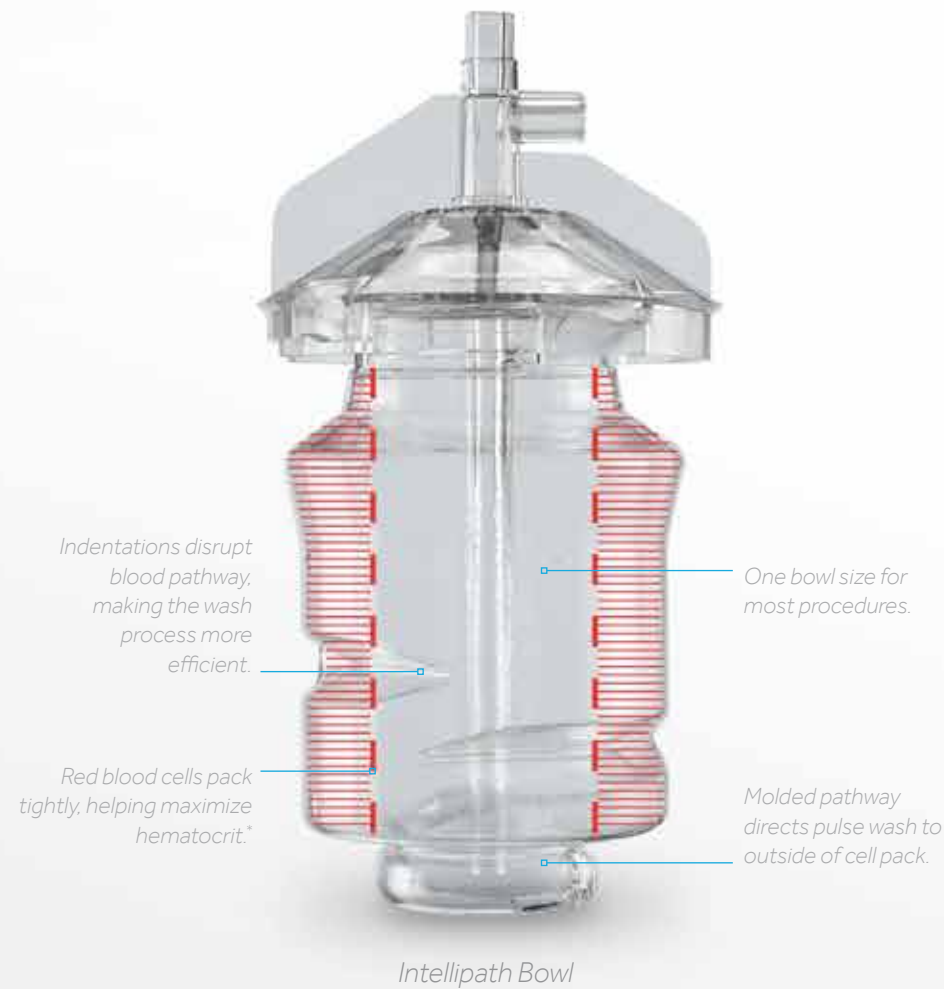
E-mail:
rs.cvstechnicalsupport@medtronic.com

BLOOD PROCESSING SO INTELLIGENT, IT'S IN A CATEGORY BY ITSELF.

The autoLog IQ autotransfusion system uses **Dynamic Cell Salvage**, a technology that's categorically different than other devices.

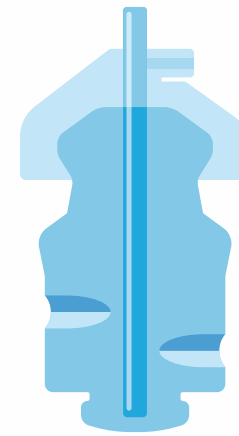
Using algorithm-driven **Intelligent Blood Sensing**, it makes micro adjustments automatically during processing to help maximize hematocrit and washout, and minimize waste.*

This dynamic process is **proven to recover high-quality blood, fast.****



DYNAMIC CELL SALVAGE

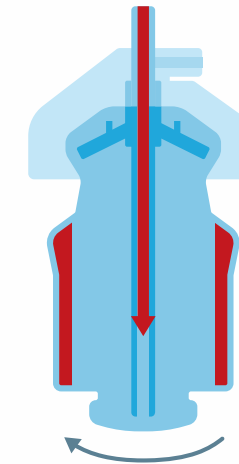
Dynamic Cell Salvage combines three unique components: The Intellipath Bowl. Adaptive Two-Stage Fill. And Pulse Wash.



INTELLIPATH BOWL

The Intellipath Bowl is engineered to help maximize hematocrit,* minimize hemolysis generated by the autoLog IQ™ system, and enhance efficiency of the wash process.

- Indentations disrupt the blood pathway to separate red blood cells from other components.
- One 135 mL bowl is used for most cases.



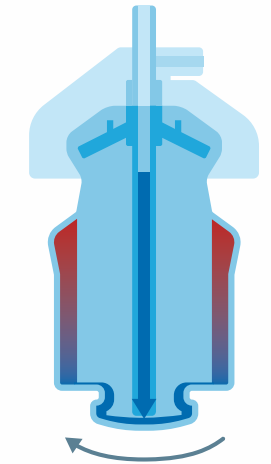
ADAPTIVE TWO-STAGE FILL

To achieve high hematocrit with less waste, the autoLog IQ system fills the bowl in two stages.

STAGE ONE: The system does an initial fill, at a fill rate of 600 mL/min. It pauses briefly to compact red blood cells.

STAGE TWO: The system adjusts the fill speed, depending on hematocrit.

- Low hematocrit: ≥ 225 mL - fills at 250 mL/min
- High hematocrit: < 225 mL - fills at 600 mL/min



PULSE WASH

The Pulse Wash makes the wash process more efficient by adjusting the saline pulse volume, depending on the density of the cell pack.

- The system detects cell pack characteristics and adjusts pulse length automatically.
- Standard wash volume is 250 mL for all situations.

CONSISTENTLY EXCELLENT RESULTS**

Blood Quality/Hematocrit

- Hematocrit of washed product **59-65%**
- Heparin washout **98%**
- Fat removal **99%**

Recovery Rate (Speed)

- Standard wash: **≈3.4 min**
 - Fast wash: **≈2.25 min**
 - Emergency wash: **≈1.45 min**
- 135 mL volume per cycle

MANUAL ADJUSTMENT

In the vast majority of cases you run, the autoLog IQ system provides high-quality blood for return to patients automatically. But for complex or emergency cases, you **can manually adjust vacuum and wash settings instantly** from a touchscreen menu.



* Compared to allogeneic blood

**Medtronic data on file. 10537321DOC, 10604136DOC, 10577687DOC. Heparin washout and fat removal data is from '30%' inlet hematocrit 'standard wash' testing.

* Compared to allogeneic blood

HIGH BLOOD QUALITY DELIVERED, AUTOMATICALLY.

The ingeniously simple autoLog IQ™ autotransfusion system delivers high-quality blood consistently, case after case — no manual settings or adjustments required.*

Just one bowl size. One kit. One button to push for a cell salvage process that automatically adjusts to maximize hematocrit and minimize waste,** even at low volume. In emergencies or complex cases, you have the flexibility to adjust vacuum and wash settings.

All this in a unit that's so compact, user-friendly and easy to operate, it's ideal for operators of all experience levels, in surgical settings throughout the hospital.



INTELLIGENT

Consistent delivery of high-quality blood product, automatically.

EASY

Allows for a wider range of operators throughout the hospital.

ADAPTABLE

Small, mobile, ergonomic – fits into virtually any operating space.



AUTOTRANSFUSION: CRITICAL IN TODAY'S ENVIRONMENT

As clinical and financial factors drive greater scrutiny of blood usage, the use of autotransfusion is growing throughout the hospital.¹⁻⁴

Clinical

- Reduces transmission of blood-borne disease⁵
- Lowers risk of transfusion reaction⁵
- Helps address blood shortages²

Financial

- Reduces use of costly blood products²
- Helps reduce cost of transfusion-related reactions⁵
- Reduces costs associated with clerical errors⁶

Expanding

- Growing awareness of transfusion cost²
- Pressure to reduce use of blood product²
- Expanded use by operators in more hospital settings³

* Standard wash
** Compared to allogeneic blood