

# 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
ATLGIQ1	autoLog IQ™ Autotransfusion System-Non US	1
STANBY1 Kit	Collection kit 4 Liter Hardshell Blood Collection Reservoir with 40 micron filter including the Suction/ Anticoagulation Line and Vacuum Line Extension	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
E302	IV Pole Reservoir Holder For use with all EL Series Hardshell Reservoirs	1
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	

autoLog IQ™ System Accessories Product Codes		
For connectivity features, please contact a Medtronic representative.		
Part #	Description	Qty
BTC93	Suction and Anticoagulation Line including "Y" Adaptor with 1/4" Outlet Lines	1
BTC96	Suction and Anticoagulation with Step-down 3/8" - 1/4" Adaptor	1
BT926	Reservoir "Y" Adaptor with 1/4" Outlet Lines	20
BTC946	Straight Step-down 3/8" - 1/4" Connector	20
BTC920	Tandem Cardiotomy "Y" Connector	20
BTC945	Transfer Spike with 3-way Stopcock	20
BT133	Vacuum Line Extension 2 meters Length	10
BT133F	Vacuum Line Extension 2 meters Length with 2-micron filter	10

Technical Information	
<b>Electrical classification</b>	Class I, Type BF (suction/anticoagulant line), Ordinary, Continuous operation
<b>Power</b>	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)
<b>Speed, flow rate and pressure</b>	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)
<b>Weight sensor</b>	Self-start: 800 mL ±200 mL
<b>Dimensions</b>	69 cm (27 in) wide x 80.5 cm (31.7 in) high (without IV pole) x 42.5 cm (16.7 in) deep
<b>Weight (device including IV pole)</b>	50 kg (110 lb)
<b>IP rating</b>	IPX1
<b>Temperature limit</b>	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)
<b>Humidity range</b>	Operational: 25% to 70% noncondensing Storage (clinic): 25% to 70% Storage (warehouse): 10% to 90% Transit: 10% to 90%
<b>Pressure range</b>	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)

#### References

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- 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.
- Meybohm, P., Choorpaikayil, S., Wessels, A., Herrmann, E., Zacharowski, K., & Spahn, D. R. (2016). Washed cell salvage in surgical patients. *Medicine*, 95(31).
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#### For more information contact your local Medtronic Sales Representative or call

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [www.medtronic.eu](http://www.medtronic.eu).

For applicable products, consult instructions for use on [www.medtronic.com/](http://www.medtronic.com/) manuals. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

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# SIMPLY GENIUS

- Connectivity feature
- For use in cardiac, orthopedic, spine surgery and all other addressed blood salvage procedures
- Cost effective STANDBY1 kit solution

#### autoLog IQ™ Autotransfusion System



Medtronic

INTELLIGENT  
EASY  
ADAPTABLE



Time-Saving Reports with the connectivity with Quantum Perfusion Systems workstation



Connectivity feature: autoLog IQ data downloaded directly in the Quantum System Workstation



Cost-Saving, start the blood cell salvage procedure with the STANBY1 Kit only and mount the wash kit when the intra-operative blood lost requires a full procedure



Cost effectiveness STANDBY1 Kit



Handle converts to wash kit holder



7-inch touchscreen, intuitive user interface



Storage for 2 wash kits and reservoir



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 including another microstorage tray for small items



Optional bar code scanner

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

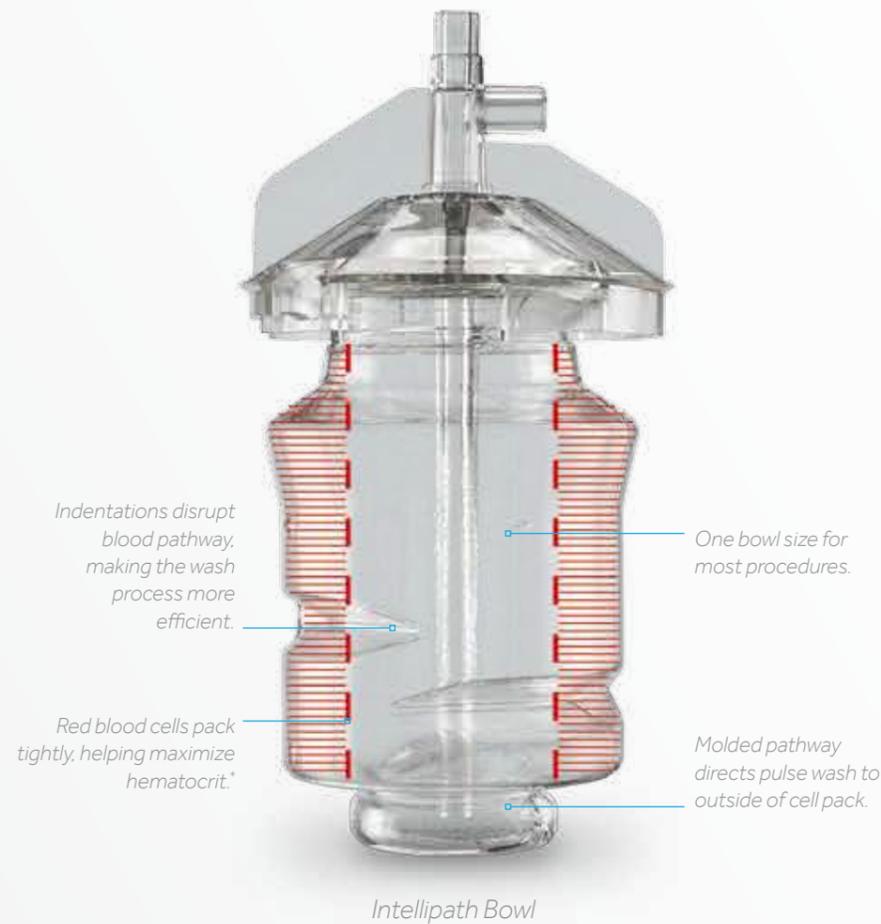
**E-mail:**  
rs.cvstechnicalsupport@medtronic.com

# 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

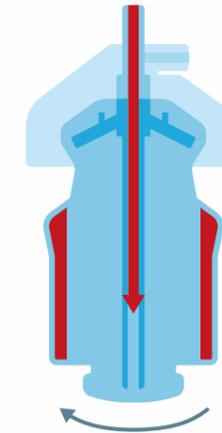
Dynamic Cell Salvage combines three unique components: The Intellipath Bowl. Adaptive Two-Stage Fill. And Pulse Wash.



### 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.



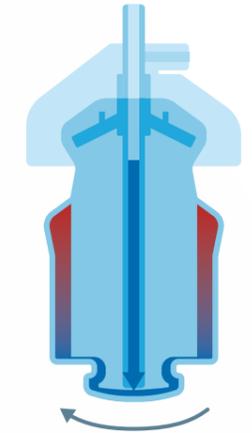
### ADAPTIVE TWO-STAGE FILL

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:  $\geq 225$  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

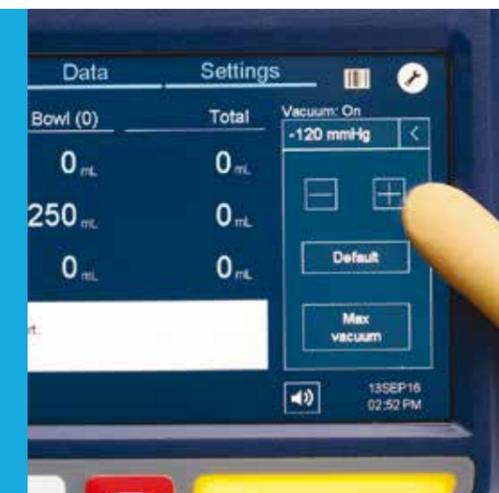
- Hematocrit of washed product **59-65%**
- Heparin washout **98%**
- Fat removal **99%**

### Blood Processing Time

- 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  
\*\* Compared to legacy autoLog system  
† 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 help 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.<sup>1-4</sup>

### Clinical

- Reduces transmission of blood-borne disease<sup>5</sup>
- Lowers risk of transfusion reaction<sup>5</sup>
- Helps address blood shortages<sup>2</sup>

### Financial

- Reduces use of costly blood products<sup>2</sup>
- Helps reduce cost of transfusion-related reactions<sup>5</sup>
- Reduces costs associated with clerical errors<sup>6</sup>

### Expanding

- Growing awareness of transfusion cost<sup>2</sup>
- Pressure to reduce use of blood product<sup>2</sup>
- Expanded use by operators in more hospital settings<sup>3</sup>

\* Standard wash

\*\* Compared to allogeneic blood

\*\*\* Compared to legacy autoLog system