INTELLIGENT
EASY
ADAPTABLE
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.1-4

Clinical
- Reduces transmission of blood-borne disease5
- Lowers risk of transfusion reaction6
- 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 product3
- Expanded use by operators in more hospital settings3

* Standard wash
** Compared to allogeneic blood
† Compared to legacy autoLog system
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.†

** 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.

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
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.

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**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
7” touchscreen display

Flashing alert light

Large, locking wheels

Removable micro-storage tray for small items

Stores up to 100 patient records

Dual-position IV pole, collapsible to 7”

3-position handle, with bar that swings open to hold tray during setup

Lay-flat manifold

USB ports for data download capability

Internal removable storage bin

Optional bar code scanner plugs into USB port to make patient record keeping efficient and simple

Quiet, integrated vacuum pump and regulator

Large, locking wheels
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.
Removable front storage for supplies

Lay-flat kit setup secures tubing placement

Stores up to 100 patient case records

USB port to download patient records

Back storage for wash kit

Handle converts to wash kit holder

7-inch touchscreen, intuitive user interface

Lay-flat kit setup secures tubing placement

Removable front storage for supplies
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
## Ordering Information

### autoLog IQ™ System Product Codes

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<th>Part #</th>
<th>Description</th>
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<td>autoLog IQ™ Autotransfusion System-US</td>
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<tr>
<td>ATLGIQ1</td>
<td>autoLog IQ™ Autotransfusion System-Non US</td>
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<td>Wash Kit</td>
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<td>EIUWB1</td>
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<td>Hardshell Blood Collection Reservoir with 120 micron filter</td>
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<tr>
<td>EL240</td>
<td>Hardshell Blood Collection Reservoir with 40 micron filter</td>
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<td>EL400</td>
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<tr>
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### One Source Packs

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<td>4 Liter Hardshell Blood Collection Reservoir with 120 micron filter</td>
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<tr>
<td>EL402</td>
<td>4 Liter Hardshell Cardiotomy Reservoir with 20 micron filter; 1/4&quot; and 3/8&quot; prime ports</td>
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<tr>
<td>ATS504</td>
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## 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 MAX or equivalent)
- Power cord: 3 prong hospital grade connector (varies by geography)

### Speed, flow rate and pressure
- Centrifuge: 0 rpm to 10000 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 (device): 15°C to 30°C (59°F to 86°F)
- Storage (warehouse): 6°C - 32°F (20°C - 0°C)
- Storage (clinic): 2°C - 8°C (35°F - 46°F)

### Humidity range
- Operational: 25% to 70% noncondensing
- Storage (device): 25% to 70%
- Storage (warehouse): 10% to 90%
- Storage (clinic): 25% to 70%

### Pressure range
- Storage: 80 kPa to 101 kPa (11.6 psi to 14.6 psi)
- Storage (device): 80 kPa to 101 kPa (11.6 psi to 14.6 psi)
- Operational: 80 kPa to 101 kPa (11.6 psi to 14.6 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

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