



**Medtronic**

**AUTOLOG™**

Autotransfusion System



*A simple, yet sophisticated system.*

## Medtronic: A Pioneer in Blood Component Technologies

sistema skirta dirbti  
su aparatu „  
Medtronic autolog”

*Medtronic has been a key participant in the area of blood component therapies for more than a decade. We are committed to setting the industry standard by providing innovative, cost-effective products designed to meet your needs and enable you to continue to provide the best possible care.*

### The Medtronic Mission

*To contribute to human welfare by the application of biomedical engineering in the research, design, manufacture, and sale of instruments or appliances that alleviate pain, restore health and extend life.*

## AUTOLOG™ Autotransfusion System

### Sophisticated, Effective Processing System

- The autoLog™ Autotransfusion System's fully automated design consistently produces a high-quality end product.
- The system's preset operating program completes one processing cycle (fill, wash, empty) in approximately three minutes and returns approximately 135 ml of blood to the holding bag.
- The autoLog™ System uses a two-stage filling process capable of first stage fill speed of 600 ml/min followed by a second stage fill speed at either 600 or 250 ml/min based on incoming volume.
- While a processing cycle can be initiated manually, the autoLog™ System has a unique self-start feature.

### A Source of High-Quality Blood Product

- The autoLog™ System is designed to consistently produce a blood product with a **hematocrit of 50% or greater**.
- The autoLog™ System's unique bowl design packs blood tightly to produce an increased hematocrit and allows blood to enter at a moderate G-force to **minimize hemolysis**. The end product remains consistent and is independent of the type of surgical procedure.
- The variable speed wash process, coupled with the unique design of the bowl, promotes the **effective removal** of free-plasma hemoglobin, residual anticoagulant agents, activated platelets, white blood cells, and activated clotting factors of 90% or greater in accordance with AABB guidelines.<sup>6</sup>

## Simplicity of Operation

- Continuous software monitoring **improves quality** of end product and speed of processing.
- Easy system set-up and intuitive feature design increase efficiency and **save time** for system operators.
- The autoLog™ System is an all-inclusive processing system, **saving you money, storage space** and time on inventory management.

## REFERENCES

1. LeGrand, Richard. American Red Cross letter to customers, January 2003, available at: <http://www.redcross.org/services/biomed/profess/legrand.pdf>
2. American Red Cross. American Red Cross Statement on Blood Pricing. May 24, 2001 press release available at: [http://www.redcross.org/press/biomed/bm\\_pr/010524price.htm](http://www.redcross.org/press/biomed/bm_pr/010524price.htm)
3. American Red Cross. Blood Banking Community Issues National Appeal for Immediate Donations. January 12, 2004 press release available at: [http://www.redcross.org/pressrelease/0,1077,0\\_114\\_2164,00.html](http://www.redcross.org/pressrelease/0,1077,0_114_2164,00.html)
4. Speiss, BD. Transfusion and outcome in heart surgery. *Ann Thorac Surg* 2002; 74(4):986-7.
5. Hannon, Timothy. Medtronic autoLog™ Autotransfusion System: Comparative Wash Quality and Clinical Assessment. *Technical Concept Paper* published by Medtronic. June 1999.
6. Guidance for Standards for Perioperative Autologous Blood Collection and Administration. First Edition. American Association of Blood Banks Sec. 5.1.2, p. 21.



Packs red blood cells tightly

Unique bowl design ensures consistent product.

*"From a clinical standpoint, the compact design, economy, ease of set-up, and simplicity of operation are major advantages of the autoLog Autotransfusion System. Combined with our controlled laboratory data showing its wash program to be fast, sophisticated and quite efficient, the autoLog has proved to be a very capable and desirable autotransfusion machine."*<sup>5</sup>

**The Vacuum Regulator:  
VR702**

regulates the vacuum from 0-700mmHg (recommended operation 150-210 in accordance to AABB guidelines in order to minimize hemolysis).<sup>6</sup>

**Hardshell Cardiotomy Reservoir with Micron Filter (shown)**

Vacuum canister and softshell blood collection reservoir bag with micron filter also available.

Self-contained vacuum source provides convenience.

The device's compact design and small footprint are beneficial in a crowded operating room.



# Why Use Autologous Red Blood Cell Salvage?

Autologous red blood cell salvage is a safe, reliable, cost effective method of returning red blood cells back to patients. The autologous red cell salvage procedure maximizes patient safety, overall cost savings, and blood quality. It:

- Eliminates the risk of clerical errors during blood handling.
- Minimizes costs associated with the use of allogenic blood transfusion.
- Minimizes the use of banked blood products, thereby reducing the risk for transmission of blood-borne diseases, lowering the risk of transfusion reaction, and providing an option for those with religious objections to transfusions.
- Addresses the issue of blood shortages. Blood shortages are common and will become more acute in the next few years.<sup>4</sup>
- Provides red blood cells with normal 2,3 DPG levels and viability superior to preoperative autologous blood donation.<sup>5</sup>

## Facts on Blood Prices and Supply

- Blood product prices have increased significantly due to the rising costs of safety measures and requirements for the blood supply.<sup>1,2</sup>
- National blood inventory levels have dropped well below a safe and adequate supply. Certain critical blood types are not routinely available and as a result some elective surgeries have been postponed or cancelled.<sup>3</sup>
- Transfusion for cardiac surgery utilizes approximately 20% of the United States' blood supply.<sup>4</sup>



# AUTOLOG™ AUTOTRANSFUSION SYSTEM SPECIFICATIONS

## Electrical Classification

Class I, Type B, Ordinary, Continuous Operation

## Power

Voltage: 110/120 or 220/240 V  
 Cycles: 50-60 Hz  
 Phase: Single  
 Current: 1.6/0.8 amps (depending upon voltage selection)  
 Fuses: 4 AT/240 V  
 Power cord: 2 wires plus ground (earth) connector; 3-prong hospital grade (USA only)

## Speed and Flow Rate Specifications

Centrifuge: 0-10,000 RPM (±5%)  
 Pump: 0-600 ml/min (±5%)  
 Vacuum: 200-280 mbar

## Dimensions

Width: 33 cm (13 inches)  
 Height: 75 cm (30 inches)  
 Depth: 22 cm (9 inches)

## Weight

32 kg (70 lb.)

## Temperature Limit

Operational: 10°C-30°C (50°F-86°F)  
 Storage: 5°C-30°C (41°F-86°F)

## Humidity Range

Operational: 10-95% non-condensing  
 Storage: 10-95% non-condensing

NOTE: Technical data, features, and options referenced are based on the latest information available at the time of printing. Medtronic reserves the right to change specifications without notice.

sudaryta iš trijų dalių:  
 - plovimo rinkinys;  
 - siurbimo rinkinys;  
 - rezervuaras;

# ORDERING INFORMATION

## autoLog™ System Product Codes

Part #	Description	Qty
ATLG	autoLog™ Autotransfusion System	1
ATLVC	Vacuum Canister w/Gauge	1
VR702	Vacuum Regulator	1
ATL2001	Wash Kit	6
BT725	Suction/Anticoagulation Line	10
ATL1005	Collection Reservoir Bag – Large	6
BT1000SP	Blood Handling 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
E302	Reservoir Holder	1

## One Source Packs

Part #	Description	Qty
ATLS15	Includes One of Each	4
ATL2001	Wash Kit	
BT725	Suction/Anticoagulant Line	
ATL1005	3 Liter Softshell Blood Collection Reservoir with 150 micron filter	
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	



**Medtronic**  
 When Life Depends on Medical Technology

### Medtronic Perfusion Systems

7611 Northland Drive  
 Minneapolis, MN 55428-1088  
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 Information Toll-Free  
 1-877-383-2227  
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 Toll-free at 1-800-854-3570

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For more information on  
 Perfusion Systems visit:  
[www.perfusionsystems.com](http://www.perfusionsystems.com)

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Rinkinį sudaro 3 dalių komplektas:

- plovimo rinkinys;
- siurbimo rinkinys;
- rezervuaras;

© British Medical Auctions



Plovimo  
rinkinys



**Medtronic**

REF **ATL2001**  
Catalog Number

Wash Kit  
Kit de lavage  
Wasch-Set  
Kit de lavado  
Wasset  
Kit di lavaggio  
Vaskesett  
Pesusarja  
Tvättset  
Kit έκπλυσης  
Vaskesæt  
Zestaw do oczyszczenia  
Kit de lavagem

Yikama Kiti  
Promývaci souprava  
Moszkészlet  
Fremývacia súprava  
Lopatuskomplekt  
Комплект за промиване  
Komplet za ispiranje  
Mazgāšanas komplekts  
Valymo rinkinys  
Set pentru spălare  
Набор для промывки  
Komplet za ispiranje  
Komplet za pranje

REF Catalog Number **ATL2001**  
LOT Lot Number **213929266**  
Use By **2019-06-30**

Quantity **1**

USA Rx Only

**STERILE EO**

Sterilized Using Ethylene Oxide

**PYROGEN** Nonpyrogenic Fluid Bath



Do Not Resterilize



Do Not Reuse



Consult Instructions for Use



(01)00613994520456(17)190630(10)213929265



Manufacturer:  
Medtronic, Inc.  
Minneapolis, MN 55432 USA

ASSEMBLED IN MEXICO



UNIT  
M935048A001 13  
TrP00030  
321 - 360

ipakavimas po 1  
vnt



P/N 230228 Rev. 01

Siubimo  
rinkinys



Medtronic

Suction / Anticoagulation Assembly  
Dispositivo de aspiración / anticoagulación  
Saug-/Antikoagulációsselemlent  
Unidad de aspiración / anticoagulación  
Purgeer-/antistollingsassemblage  
Gruppo aspirazione e anticoagulazione  
Suge-/antikoagulációssemlent  
Imu-/antikoagulaatiiväliteet  
Συσκευή αναρρόφησης / αντιπηκτικής  
Suge-/antikoagulaatiiväliteet  
Zespół do odsysania / antykoagulacji  
Unidade de sucção / anticoagulação

Sesalni/Antikoagulasyon Tertibat  
Düšávaci/antikoagulačni sestava  
Árnyóvírálvadásgátló szerelék  
Sklop za na odsávanie / privod antikoagulantu  
Spiratsiooni ja antikoagulatsiooni komplekt  
Вакуумно/Антикоагулянтно устройство  
Sklop za sukciju/antikoagulaciju  
Antikóšanas-antikoagulācijas komplekts  
Siurbiamasis / antikoagulantų agregatas  
Dispositiv de aspirație/anticoagulant  
Узел аспирации/антикоагуляции  
Sklop za sukciju/antikoagulaciju  
Sesalni/antikoagulacijski komplet

REF BT725  
Catalog Number

REF Catalog Number BT725  
LOT Lot Number 251929086  
Use By 2020-06-31

50°C Upper Limit of Temperature 50°C

~~PYROGEN~~ Nonpyrogenic Fluid Path

Do Not Reuse

2 Do Not Restерilize

Attention: See Instructions for Use

Quantity 1

USA Only STERILE EO Sterilized Using Ethylene Oxide



(01)00613994744975(17)200831(10)213929086

Manufacturer:  
Medtronic, Inc.  
Minneapolis, MN 55432 USA

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UNIT  
M549T24A881 1A  
TYP00086  
7 - 528

įpakavimas po 1  
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Rezervuaras

įpakavimas po 1 vnt



**Medtronic**

**Blood Collection Reservoir**

Réservoir de récupération du sang  
Blutsammelreservoir  
Reservorio de recogida de sangre  
Reservoir voor het verzamelen van bloed  
Serbatoio di raccolta del sangue  
Reservoir for oppsamling av blod  
Verisäiliöpussi  
Blodinsamlingsreservoir  
Δεξαμενή συλλογής αίματος  
Blodopsamlingsbeholder  
Zbiornik na krew  
Reservatório de colheita de sangue

Kan Tojama Reservoir  
Zásobník na krev  
Vérgyűjtő tartály  
Zberný rezervoir na  
Vere kogumise mahuti  
Ρεζερβουάρ για συλλογή ούρων  
Spremnik za skupljanje krvi  
Asins savākšanas rezerve  
Kraujo surinkimo rezervuaras  
Rezervor pentru colectare sânge  
Резервуар для сбора крови  
Rezervoar za prikupljanje krvi  
Zbiralník krvi

REF EL240  
Catalog Number



REF Catalog Number **EL240**

LOT Lot Number **213896263**

Use By **2020-07-31**

Quantity **1**

USA For US Audiences Only

50°C Upper Limit Temperature  
Do Not Reuse

**PYROGEN** Pyrogenic Fluid Part

**2** Do Not Reuse

Caution: Consult Accompanying Documents

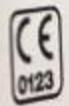
**STERILE EO** Sterilized Using Ethylene Oxide



(01)00613994842916(17)200731(10)213896263

Manufacturer:  
Medtronic, Inc.  
Minneapolis, MN 55432 USA

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ONEMED  
Medtronic Group  
Medtronic 20, P.O. Box 20

LOT 2117-01-27  
2024-04



su numatyta  
pakuotės atidarymo  
vieta



Ant pakuotės  
pažymėtas  
produkto  
galiojimo laikas

**Medtronic**

Wash Kit	Yikama Kit	REF ATL2001
Kit de lavage	Promijivaci souprava	Caring Number
Wasch-Set	Mosakészlet	
Kit de lavado	Premijivacia súprava	
Wasset	Loputskomplekt	
Kit di lavaggio	Komplekt za ispranje	
Vaskesett	Komplet za ispiranje	
Perusarja	Mazgāšanas komplekts	
Tvättset	Valymo rinkinys	
Kit ekstrudný	Set pentru spălare	
Vaskesæt	Набор для полоскания	
Zestaw do oczyszczania	Komplet za ispiranje	
Kit de lavagem	Komplet za pranje	

REF Caring Number ATL2001  
LOT Lot Number 218605378  
Use By 2024-07-26

STERILE EO Sterilized Using Ethylene Oxide

Do Not Reuse Do Not Reuse

Consult Instructions for Use

CE 0123

ASSEMBLED IN MEXICO

Medtronic, Inc. Minneapolis, MN 55422 USA



vienkartinis  
(pažymėta  
simboliu)

P/N 230228 Rev. 01



Viso komplekto pakuotė sudaryta iš trijų dalių:

- plovimo rinkinys;
- siurbimo rinkinys;
- rezervuaras;



**Medtronic**

One Source Pack

Paquet complet

Komplettpackung

Paquete completo

Un (1) pacchetto completo

Totaalpakket

Ett komplett set

Μια συσκευασία μόνο

Įpakavimas po 1 vnt

REF

Catalog Number

**ATLS24**



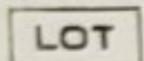
Quantity

1

STERILE

EO

Sterilized Using Ethylene Oxide



Lot Number

**0219068088**

~~PYROGEN~~

Nonpyrogenic Fluid Path



Use By

**2021-07-26**



Caution, Consult Accompanying Documents

! USA

Rx Only



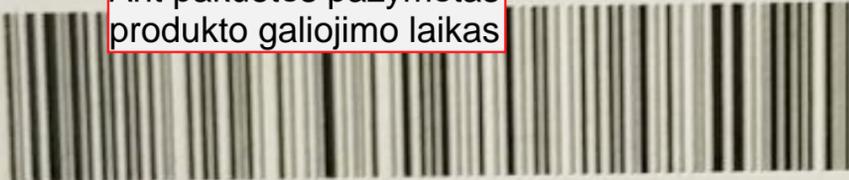
Do not Reuse



Do Not Resterilize

Ant pakuotės pažymėtas  
produkto galiojimo laikas

vienkartinės  
(pažymėta simboliu)



(01)00643169108363(17)210726(10)0219068088



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M942327A  
P02AA758