



Medtronic

AUTOLOGTM

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.

AUTOLOGTM Autotransfusion System

Sophisticated, Effective Processing System

- The autoLogTM 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 autoLogTM 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 autoLogTM System has a unique self-start feature.

A Source of High-Quality Blood Product

- The autoLogTM System is designed to consistently produce a blood product with a **hematocrit of 50% or greater**.
- The autoLogTM 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.⁶

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
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
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."*⁵

**The Vacuum Regulator:
VR702**

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

**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.⁴
- Provides red blood cells with normal 2,3 DPG levels and viability superior to preoperative autologous blood donation.⁵

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.^{1,2}
- 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.³
- Transfusion for cardiac surgery utilizes approximately 20% of the United States' blood supply.⁴



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

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For more information on
Perfusion Systems visit:
www.perfusionsystems.com

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Rinkinį sudaro 3 dalių komplektas:

- plovimo rinkinys;
- siurbimo rinkinys;
- rezervuaras;

© British Medical Auctions

Plovimo
rinkinys

ipakavimas po 1
vnt



Medtronic

REF ATL2001
Catalog Number

Wash Kit	Yıkama Kiti
Kit de lavage	Promývací souprava
Wasch-Set	Moschkészlet
Kit de lavado	Fremývacia súprava
Wasset	Lopatuskomplekt
Kit di lavaggio	Комплект за промиване
Vaskesett	Komplet za ispiranje
Pesusarja	Mazgāšanas komplekts
Tvättset	Valymo rinkinys
Kit έκπλύσης	Set pentru spălare
Vaskesæt	Набор для промывки
Zestaw do oczyszczania	Komplet za ispiranje
Kit de lavagem	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 Path



Do Not Resterilize



Do Not Reuse



Consult Instructions for Use



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



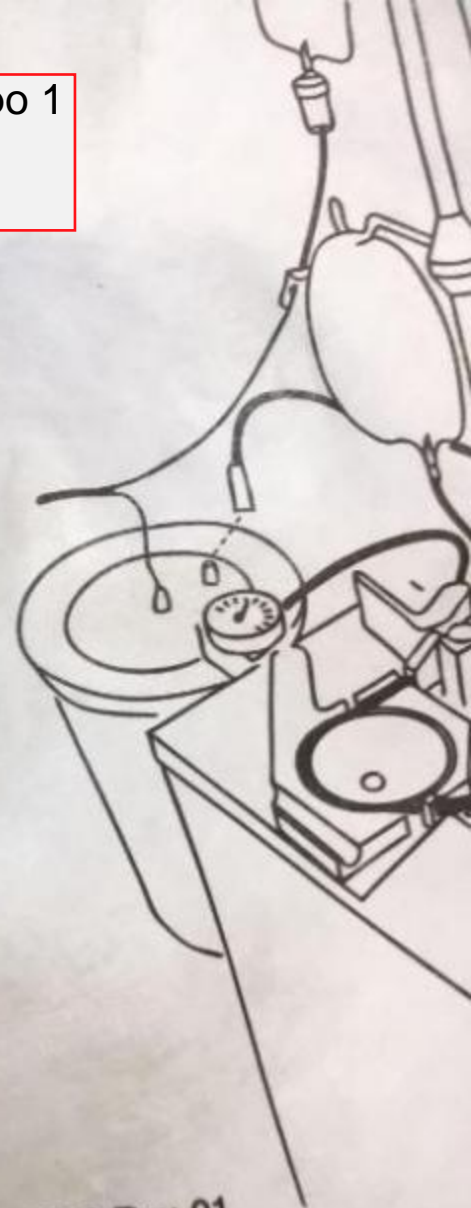
Manufacturer:
Medtronic, Inc.
Minneapolis, MN 55432 USA

ASSEMBLED IN MEXICO



UNIT
M935048A001 13
TMP00030
321 - 360

P/N 230228 Rev. 01



Siubimo
rinkinys

Įpakavimas po 1
vnt



Medtronic

Suction/Anticoagulation Assembly
Dispositif d'aspiration et d'anticoagulation
Saug-/Antikoagulationsensemble
Unidad de aspiración/anticoagulación
Purgeer-/antistollingsassemblage
Gruppo aspirazione e anticoagulazione
Suge-/antikoagulasjonsenhet
Imu-/antikoagulaatiokomplekti
Ενsemble d'aspiration et d'anticoagulation
Συσκευή οξυγόνο/αντιπηκτικού
Suge-/antikoagulaatiokomplekti
Zespół do odsysania / antykoagulacji
Unidade de sucção / anticoagulação

Saug-/Antikoagulasyon Tertibatı
Düšavaci/antikoagulačni sestava
Rendkívélradásgátló szerek
Súpečka na odsávanie / privod antikoagulantu
Spiratsiooni ja antikoagulatsiooni komplekt
Всасывно/Антикоагулянтно устройство
Sklop za sukciju/antikoagulaciju
Aspirācijas-antikoagulācijas komplekts
Siurbiamasis / antikoagulantų agregatas
Dispozitiv de aspirație/anticoagulant
Узел аспирации/антикоагуляции
Sklop za sukciju/antikoagulaciju
Sesalni/antikoagulacijski komplet

REF BT725
Catalog Number

REF Catalog Number BT725
LOT Lot Number 201929086

Use By 2020-06-31

Quantity 1

USA Only

STERILE EO Sterilized Using Ethylene Oxide

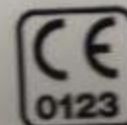


(01)00613994744975(17)200831(10)213929086



Manufacturer:
Medtronic, Inc.
Minneapolis, MN 55432 USA

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UNIT
M949324A001 1A
TYP00000
7 - 328

50°C Upper Limit of
Temperature 50°C

PYROGEN Nonpyrogenic Fluid Path

Do Not Reuse

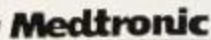
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Attention: See Instructions for Use



Rezervuaras

īpakavimas po 1
vnt



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
Reservoar for oppsamling av blod
Verisäiliöpussi
Blodinsamlingsreservoir
Δεξαμενή συλλογής αίματος
Blodopsamlingsbeholder
Zbiornik na krew
Reservatório de coleta de sangue

Kan Toi ama Rezervuar
Zásobník na krev
Vérgyűjtő tartály
Zberný rezervoár
Vere kogumise menü
Fézerpóap az csővezeték csatlakozás
Spremnik za snopajev
Asins savākšars rezervuārs
Kraujo surinkimo rezervuaras
Rezervor pentru colectare sange
Pezepbyap dnye chovannaya
Rezervoar za prikupljanje krvi
Zbiralnik krvi

DEF EL240
Casting Number



REF Catalog Number **EL240**

LOT Lot Number **213896263**

Use By	2020-07-31
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 Quantity 1

I USA For US Audiences Only

50°C Upper Limit Temperature
Do Not Freeze

~~PYROGEN~~ Pyrogenic Fluid Part

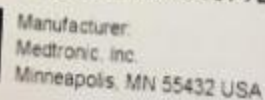
2 Do Not Retire

 **Caution, Cord Accompanying Document**

STERILE EO Beisodung Ethylene Oxide



(01)00613994842916(17)200731(10)213896253



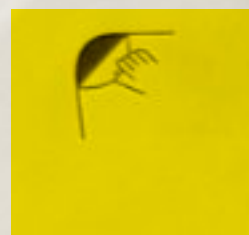
ASSEMBLED IN MEXICO



UNIT
1044231400 14
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ONEMED
Medtronic Group Inc.
Medtronic 20, F100000
LOT 8117-01-19
2024-04

su numatyta
pakuotės atidarymo
vieta



Ant pakuotės
pažymėtas
produkto
galiojimo laikas

Medtronic

Wash Kit	Yikama Kit	REF ATL2001
Kit de lavage	Promijvaci souprava	Caring Number
Wasch-Set	Mosókészlet	
Kit de lavado	Premijvacia súprava	
Wasset	Loputuskomplekt	
Kit di lavaggio	Komplekt za uprosuwanie	
Vaskesett	Komplet za ispiranje	
Pesusarja	Mazgāšanas komplekts	
Tvättset	Valymo rinkinys	
Kit ekstrudonj	Set pentru spălare	
Vaskesett	Набор для промывки	
Zestaw do oczyszczania	Komplet za ispiranje	
Kit de lavagem	Komplet za pranje	

REF Caring Number ATL2001
LOT Lot Number 218605379
Use By 2024-07-26
Quantity 1
STERILE EO Sterilized Using Ethylene Oxide
Barcode: 0130001388452045511712167251191218605379
Manufacture: Medtronic, Inc. Minneapolis, MN 55432 USA
ASSEMBLED IN MEXICO
CE 0123
P/N 230228 Rev. 01



vienkartinis
(pažymėta
simboliu)



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

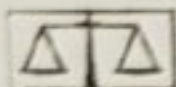
Mia συσκευασία μόνο

Įpakavimas po 1 vnt

REF

Catalog Number

ATLS24



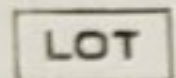
Quantity

1

STERILE

EO

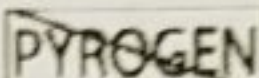
Sterilized Using Ethylene Oxide



LOT

Lot Number

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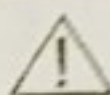
PYROGEN

Nonpyrogenic Fluid Path



Use By

2021-07-26



Caution, Consult Accompanying Documents

! USA

Rx Only

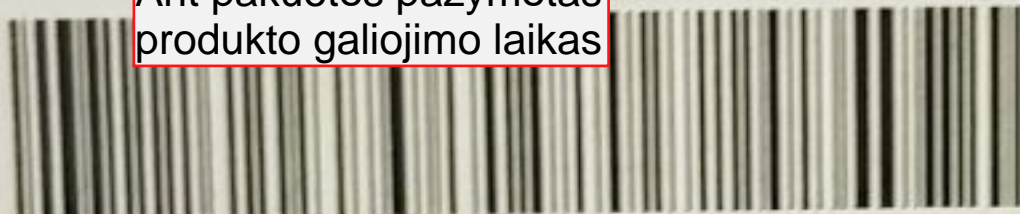


Do not Reuse



Do Not Resterilize

Ant pakuotės pažymėtas
produkto galiojimo laikas



vienkartinės
(pažymėta simboliu)

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

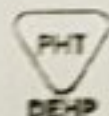


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M942327A
P02AA75B