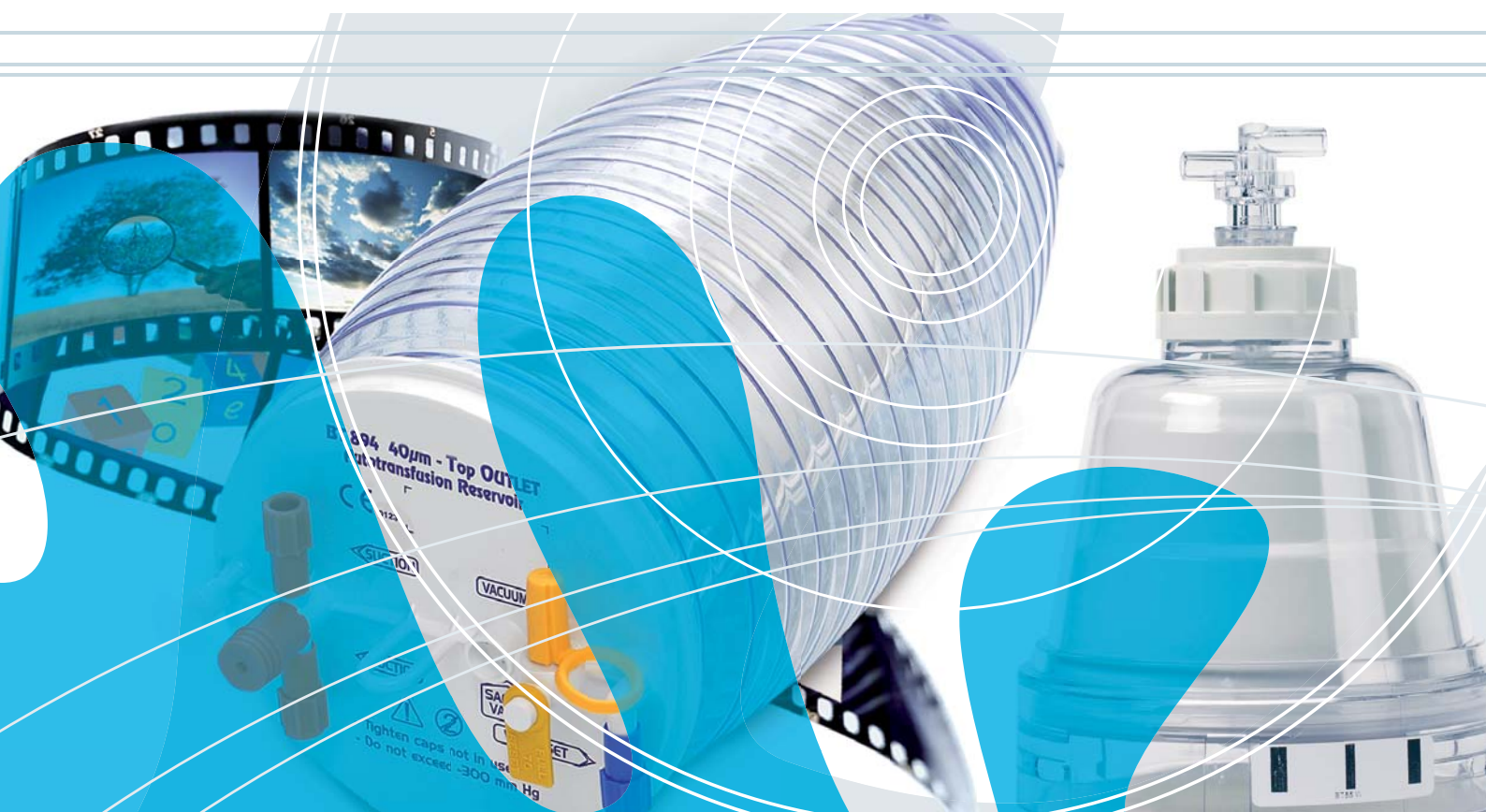




DISPOSABLE SOLUTIONS FOR YOUR BLOOD MANAGEMENT PROGRAM



ELECTA DISPOSABLE SOLUTIONS

- Sorin Group is leader in Blood Management committed for over 30 years to improve patient outcome through innovative blood management solutions
- Sorin Group has designed a full range of disposable products and accessories for the Electa family devices, providing complete, modular, and tailored solutions for your blood management program



COMPLETE

- Wide range of disposable products to address all surgical applications
- Product solutions for blood collection, processing and reinfusion



MODULAR

- Separate modules for intra/post-operative blood salvage and for pre-operative whole blood separation
- Product configurations for a cost effective approach to blood salvage



TAILORED

- Bowls designed for best performance in minimal, low, medium and high bleeding applications
- Tailored solutions and accessories to address cardiac surgery, orthopedics and other surgical applications



SAFE

- Single use products, non-toxic, non pyrogenic, ETO sterilized
- Certified quality, compliant with Sorin Group quality system and with:
 - EN ISO 13485
 - US FDA 21 CFR 820
 - CE Marking directives (MDD 93/42/ECC)



FLEXIBLE BLOOD COLLECTION

BT894 AUTOTRANSFUSION RESERVOIR

The highest capacity blood collection reservoir: indicated for the collection of blood, both intra and post-operatively

KEY FEATURES

- 4-liter capacity
- Three-level filtration system:
 - Internal defoaming polyester filter (30 ppi)
 - Intermediate deep filtering system (40 μ m)
 - External polyester containing net
- Top outlet connection to the wash set
- Safety valves:
 - Self regulated pressure release valve
 - Safe overflow level valve

ADVANTAGES

- Superior capacity and filtration quality of the collected blood
- Safe and prompt Top Outlet connections, not requiring any adapter and clamp closure prior to starting suction
- Direct reinfusion of unprocessed blood through quick reinfusion port in case of extreme need
- Separate holder available for use with I.V. pole and vacuum regulator
- Available stand alone or as part of the Collection Set and Autotransfusion Kit





OPTIMIZED BLOOD PROCESSING

4 SIZES LATHAM BOWLS

The most complete range of bowl sizes for incomparable flexibility in all operational situations:

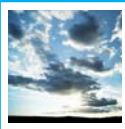
KEY FEATURES

- Consistent performance regardless the inlet blood hematocrit
- Unimpaired waste contaminants removal rate, higher than 98%
- Excellent RBC recovery rate of 96-98%
- 55-60% hematocrit in less than 5 minutes with PopT program
- About 45% hematocrit in less than 3 minutes with the Emergency program



IDEAL APPLICATIONS

- | | |
|---|---|
| ■ BT55
The smallest bowl,
designed for minimal bleeding | Minimal bleeding orthopedic surgery (i.e. Post-op)
Pediatric surgery
Whole blood separation (PPP/PRP) |
| ■ BT125
The standard bowl,
designed for low bleeding | Orthopedic surgery (i.e. Intra-op primary joint arthroplasty)
Obstetric surgery
Whole blood separation (PPP/PRP) |
| ■ BT175
The only intermediate bowl,
designed for medium bleeding | High bleeding orthopedic surgery (i.e. Joint revision)
Low bleeding cardiac surgery (i.e. Mini bypass)
Vascular surgery |
| ■ BT225
The fastest bowl,
designed for high bleeding | Cardiovascular surgery (i.e. Bypass, valves, AAA)
Emergency & trauma
Organ transplant |



SAFE BLOOD REINFUSION

MICROAGGREGATE GOCCIA FILTERS



Perioperative products intended for transfusion shall be transfused through a filter designed to retain particles that are potentially harmful to the patient

Source: AABB - standards for Perioperative Autologous Blood Collection and Administration - 3rd Edition

Designed to effectively remove microaggregates and protect the patient pulmonary micro-circulation

KEY FEATURES

- High removal rate of microaggregates >95%
- High filtration capacity up to 2 liters of concentrated RBCs
- Available with 20 or 40 μm net filter with or without infusion line
- Lowest priming volume (33 ml)
- High transparency for easy inspection



ALL IN ONE AND MODULAR SOLUTIONS

AUTOTRANSFUSION KIT



COLLECTION SET



The Collection Set provides all the components for suction and collection of the blood recovered from the intra-operative field and post-operative patient's drains

CONTENT

- BT 894, 40 µm autotransfusion reservoir
- Aspiration and anticoagulation line
- Vacuum connection line
- Cardio Set (only in Cardio configuration)

ADVANTAGES

- Components packed separately for cost effective strategy to blood salvage: standby collection first, processing later
- Separate holder available for use with an I.V. Pole and vacuum regulator
- Available in Cardio and Non-cardio configuration

AUTOTRANSFUSION KIT, COLLECTION SET, WASH SET

The Autotransfusion Kit provides in one package all the components needed to collect and process:

- 1) the blood recovered from the intra-operative field and post-operative patient's drains
- 2) the residual volume from the ECC circuit in cardiac surgery

CONTENT

- BT 894, 40 µm autotransfusion reservoir
- Wash Set
- Aspiration and anticoagulation line
- Vacuum connection line
- Cardio Set

ADVANTAGES

- "All in one" solution for blood collection and processing
- Components packed separately for cost effective strategy to blood salvage: standby collection first, processing later
- Flexibility to address high volume, with up to 4 litres capacity
- Integrated solution for connection of the oxygenator to the autotransfusion system

WASH SET



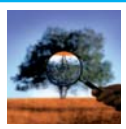
The Wash Set provides tubings, bowl and accessories needed to process the blood recovered from the intra-operative field, from post-operative patient's drains and the residual ECC volume in cardiac surgery

CONTENT

- Latham bowl with pre-connected colour coded tubing set and cassette organizer
- Preconnected 1 liter blood reinfusion bag
- 10 liter waste bag

ADVANTAGES

- 4 bowl sizes for minimal, low, medium and high bleeding applications
- Ergonomic tray for easy and fast set-up
- Easy positioning and fixing of the bowl
- Preconnected reinfusion bag
- Ergonomic waste bag with handle for easy transportation



TAILORED ACCESSORIES

FOR CARDIOVASCULAR SURGERY



CARDIO KIT

Includes all the accessories, connection lines, and adapters to connect the oxygenator to the autotransfusion system to receive and process the blood during and post bypass

CONTENT:

- Y adapter
- Extension line to oxygenator
- Luer lock and tubes adapter



TANDEM RESERVOIR "Y"

Allows the connection of two reservoirs to the autotransfusion system in procedures where a large amount of blood needs to be recovered and processed

FOR ORTHOPEDIC SURGERY



1/4"-3/8" ASPIRATION LINE

Ideal for orthopedic procedures, when large size debris can be aspirated from the operative site into the reservoir

Allows connection to the vertical 3/8" male connector available on BT894 reservoir



FLUID COLLECTION BAG

Designed to collect the blood lost during orthopedic operations such as hip replacement and revision and transfer it to the reservoir through a preconnected aspiration line

The 45 cm long adhesive strip suits any kind of wound size



4-WAY ADAPTERS

Connect patient drain tubes of various diameters to the aspiration line during post operative blood collection

Available with Luer Lock or with multidiameter adapter

FOR PREOPERATIVE WHOLE BLOOD SEPARATION



BLOOD COMPONENTS COLLECTION SET

Intended for pre-operative whole blood separation with transfer bag technique. To be used in combination with a Wash Set

CONTENT:

- 4-way adapter
- 2 sterile bags of 1 liter capacity each, for the collection of PPP and PRP
- spike adaptor and extension line



BLOOD COMPONENTS COLLECTION SET WITH DIRECT DRAW

Intended for pre-operative whole blood separation for use when drawing blood directly from a venous access site

CONTENT:

- 4-way adapter
- 2 sterile bags of 1 liter capacity each, for the collection of PPP and PRP
- direct draw line
- needle

MISCELLANEOUS



ASPIRATION LINE

Allows to aspirate and anticoagulate the blood coming from the operative site and collect it into the reservoir

The double woven non-woven layer protects sterility when transferring the line to the sterile area



REINFUSION BAG

Designed to collect 1 liter of concentrated RBCs during blood salvage procedures

- luer-lock connection for easy substitution during the procedure
- sampling port with roller clamp and spike port



WASTE BAG

Used in connection with the Wash Set, collects the waste products while processing

- 10 liter capacity with drain valve
- ergonomic handle for easy handling after removal

PRODUCT SOLUTIONS

FOR EVERY SURGICAL SITUATION

CARDIAC SURGERY

- Concentration of residual ECC volume during/post bypass • Mini bypass • Off-Pump
- Valve replacement • Surgical repair of the great vessels • Suction blood washing

What you need:

1. ATS Kit (cod. 745E/bowl) **or** Cardio Collection Set (cod. 712) + Wash Set (cod. 740E/bowl)
2. 20/40 µm Microaggregate Goccia filter

ORTHOPEDIC SURGERY

- Primary hip and knee replacement • Hip and Knee revision • Spine surgery

What you need:

1. Non-cardio Collection Set (cod. 712) + Wash Set (cod. 740E/bowl) **or** ATS Kit (cod. 745E/bowl)
2. 20/40 µm Microaggregate Goccia filter

Additional Accessories:

INTRA-OP: Fluid Collection Bag, 1/4"-3/8" aspiration line
POST-OP: 4-way adapter

OTHER APPLICATIONS

- Vascular surgery • Organ transplant • Trauma surgery • Obstetric surgery

What you need:

1. ATS Kit (cod. 745E/bowl) **or** Cardio/non-cardio Collection Set (cod. 712) + Wash Set (cod. 740E/bowl)
2. 20/40 µm Microaggregate Goccia filter

Additional Accessories:

Tandem Reservoir "Y"
Waste Bag
Reinfusion Bag

PREOPERATIVE WHOLE BLOOD SEPARATION

1. Blood components collection set
2. Wash Set (cod. 740E/bowl)
3. 20/40 µm Microaggregate Goccia filter

THE SMALLEST BOWL ON THE MARKET

BT 55 ML BOWL

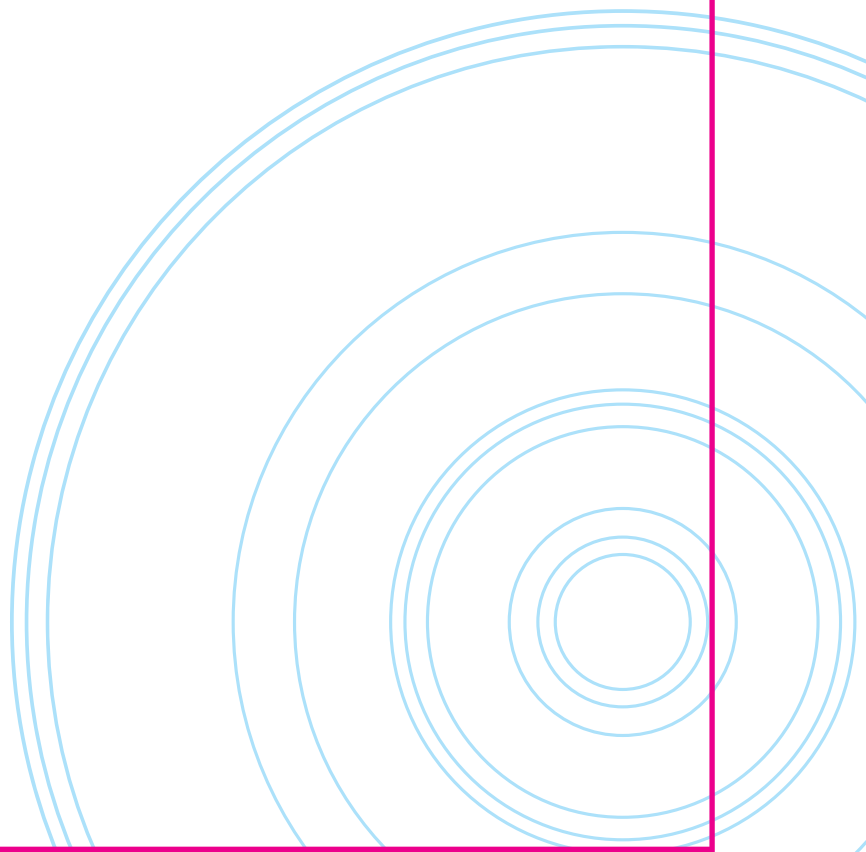
- Recovery of minimal bleedings make the difference in demanding challenging surgical situations
- Sorin Group has designed a dedicated system for blood recovery of minimal amounts of blood: the BT 55 ml bowl

KEY FEATURES

- Smallest filling volume of approx. 30 ml of RBC
- Fast processing and high wash quality
- High blood recovery rate, with no hold up volume
- Immediate set up, not requiring any special adapter

IDEAL APPLICATIONS

- Minimal bleeding orthopaedic procedures (i.e. post-op)
- Spinal surgery
- Paediatric procedures
- Whole blood separation (PPP, PRP)



ORDER GUIDE

ITEM N°	DESCRIPTION	Q.TY/BOX
ELECTA EQUIPMENT		
75205	Electa 220v Autotransfusion cell separator Europe and Intercontinental	1
75206	Electa 110v Autotransfusion cell separator Canada and Japan	1
75207	Electa 110v Autotransfusion cell separator Latin America	1

OPTIONAL ITEMS

60838	Electa USB memory stick	1
09328-03	Electa DBM database CD-ROM	1
60799	Printer cartridge & paper roll kit	1 + 4
51878	Smart card reader	1
50267	Power supply for smart card reader	1
60800	Smart card	1
09059	Vacuum regulator EBI	1

DISPOSABLE PRODUCTS

ATS Kits

04167M	Cod. 745E/55 ATS Kits with 55 ml bowl	3
04168M	Cod. 745E/125 ATS Kits with 125 ml bowl	3
04169M	Cod. 745E/175 ATS Kits with 175 ml bowl	3
04170M	Cod. 745E/225 ATS Kits with 225 ml bowl	3

Wash Sets

04162M	Cod. 740E/55 wash set with 55 ml bowl	6
04163M	Cod. 740E/125 wash set with 125 ml bowl	6
04164M	Cod. 740E/175 wash set with 175 ml bowl	6
04165M	Cod. 740E/225 wash set with 225 ml bowl	6

Collection Sets - Reservoirs and holders

04051	Cod.712 Cardio Collection Set	6
04116	BT894 ATS reservoir 4 l	6
04057	Cod.712 Non-cardio collection Set	6
04108	BT894 Holder	1
31182	BT844 Container (to be used with item 04108)	6

ITEM N°	DESCRIPTION	Q.TY/BOX
Electa Plasma sequestration kits		
04025	Cod.150 Blood Components Collection Set	40
04166	Cod.151/E Blood Components Collection Set with Direct Draw	20

Electa Wound Drainage Kit

04128	4-way multidiameter adapter	20
04059	4-way adapter with luer-lock	20

Microaggregate Goccia Filters

09085	40 um Goccia Micro Filter	12
09088	40 um Coccia Micro Filter with infusion set	6
09086	20 um Goccia Micro Filter	12
09087	20 um Coccia Micro Filter with infusion set	6

Miscellaneous disposable accessories

04137	BT036 Aspiration line (1/4" - standard)	10
04196	1/4" to 3/8" aspiration line for orthopedics	10
04197	3/8" aspiration line	15
04028	Cod.131E Vacuum line	50
04195	Vacuum line extension Hamburg	50
04133	BT074 Cod.134 Cardio Set	60
04132	BT277 1 l Reinfusion bag	50
04152	BT854 fluid collection bag (45 cm) for orthopedics	12
04129	BT074 Cod.145 bag connection adapter	80
04016	BT697 10 l Waste bag	100
04017	Cod.039 BT074 Y Adapter	10
CP85547	Y ADAPTER for orthopedics	250
04058	Tandem reservoir "Y"	20

Reusable accessories

60119	VAC-GARD Vacuum filter	1
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* This brochure is not for U.S.A.

The Sorin Group Italia Quality
System complies with:
EN ISO 13485:2003/AC:2007

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 **SORIN GROUP**
AT THE HEART OF MEDICAL TECHNOLOGY