

CAPIOX[®] FX Family of Oxygenators with Integrated Arterial Filter

Breakthrough technology for added patient safety



CAPIOX[®] FX Family of Oxygenators

Integrated arterial filter with self-venting technology

A 32 µm screen filter surrounds the fiber layer of the oxygenator. Particulate micro-emboli that may be present in the blood are trapped in the filter mesh while gaseous emboli remain inside the oxygenator and in contact with the hollow fibers. Driven by the pressure difference, gaseous emboli enter the inner lumen of the microporous hollow fiber and are eliminated via the gas outlet.



Integrated arterial filter

- Filter inside oxygenator housing
- 32 µm pore size
- Self-venting technology

Oxygenator

Proven performance

- Fully integrated arterial filter with self-venting technology
- Low priming volume, high gas exchange and low pressure drop are optimally balanced for superb performance
- Hollow fibers manufactured exclusively by Terumo using a patented technology means total quality management from raw materials to finished product
- Woven fiber bundle ensures consistent and high-performance gas exchange
- Choice of blood outlet port configurations for easy access and increased circuit flexibility
- No DEHP used in PVC tubing

Hardshell Reservoir

Full featured

- Elongated shape provides stable blood flow path and enhanced visibility at all levels from all angles
- Rotating venous inlet improves set-up flexibility
- Connecting mount increases flexibility in circuit set-up and oxygenator rotation
- Funnel-shaped cardiotomy filter improves breakthrough and residual volumes
- No DEHP used in PVC tubing

CAPIOX® FX05 Oxygenator

For neonates and infants



- Maximum blood flow: 1.5 L/min
- Oxygenator priming volume: 43 mL
- Arterial filter surface area: 130 cm²
- Reservoir storage capacity: 1000 mL



CAPIOX[®] FX15 Oxygenator

For children, small adults and minimized circuits

Available in



- Maximum blood flow: 4.0 L/min
- Oxygenator priming volume: 144 mL
- Arterial filter surface area: 360 cm²
- Reservoir storage capacity: 3000 mL
- Maximum blood flow: 5.0 L/min
- Oxygenator priming volume: 144 mL
- Arterial filter surface area: 360 cm²
- Reservoir storage capacity: 4000 mL

CAPIOX[®] FX25 Oxygenator

For all adults



- Maximum blood flow: 7.0 L/min
- Oxygenator priming volume: 260 mL
- Arterial filter surface area: 600 cm²
- Reservoir storage capacity: 4000 mL

TOTM – an alternative plasticizer

Terumo is ever striving to develop new medical technologies with minimal negative impact to patients and the environment.

In line with this goal, Terumo provides an alternative plasticizer for the manufacturing of its products. TOTM (trioctyl trimellitate) offers outstanding physical properties (such as flexibility) to the material and low plasticizer elution.

CAPIOX FX05 Performance Data







CAPIOX FX15 Performance Data



CAPIOX FX25 Performance Data



Holder Systems CAPIOX FX05 Oxygenator



Order # XX*CXH05R



Order # XX*CXH05

CAPIOX FX15 and CAPIOX FX25 Oxygenators



Order # 801804 XX*CXH18R (Europe only)



Order # 801139 XX*XH032 (Europe only)



Order # 812613 for FX25 (US only) 812614 for FX15 (US only) XX*CXH15 (Europe only)

CAPIOX FX Family of Oxygenators

Specifications

Oxvgenator

10		
Material	Housing	Polycarbonate
	Fibers	Microporous polypropylene
	Heat exchanger	Stainless steel

Hardsh	Hardshell Reservoir			
Material	Housing	Polycarbonate		
	Venous filter	Polyester screen type, Pore size 47 μm		
	Cardiotomy filter	Polyester depth type		
	Defoamer	Polyurethane foam		

Oxygenator	FX05	FX15	FX25		
Fiber bundle surface area	Approx. 0.5 m ²	Approx. 1.5 m ²	Approx. 2.5 m ²		
Heat exchanger surface area	Approx. 0.035 m ²	Approx. 0.14 m ²	Approx. 0.2 m ²		
Blood flow range	0.1 – 1.5 L/min 0.5 – 5.0 L 0.5 – 4.0 L (with B30		0.5 – 7.0 L/min		
Reference blood flow (AAMI std.)	2.5 L/min	7.0 L/min	n.a.		
Priming volume (static)	43 mL	144 mL	260 mL		
Blood inlet port (from pump)	1/4" (6.4 mm)	3/8" (9.5 mm)			
Blood outlet port	1/4" (6.4 mm)	/4" (6.4 mm) 3/8" (9.5 mm)			
Cardioplegia port	-	1/4" (6.4 mm)			
Luer port (for recirc. or blood cardioplegia)	One luer lock on blood outlet port n.a.				
Gas inlet port	1/4" (6.4 mm)				
Gas outlet port	5/16" (7.9 mm) 1/4" (6.4 mm)				
Water ports	ater ports 1/2" (12.7 mm) Hanser		ngs		
Maximum pressure Blood inlet	1000 mmHg (133 kPa)				
Maximum pressure Water inlet	2 kgf/cm² (196 kPa) (28.5 psi)				
Arterial filter					
Filter material	Polyester screen type	Polyester screen type			
Pore size	32 µm				
Surface area	130 cm ²	360 cm ²	600 cm ²		

Hardshell reservoir	FX05	FX15		FX25
		R30 (for FX15)	R40 (for FX15)	
Blood flow range Venous flow Cardiotomy inlet Combined flow	0.1 – 1.5 L/min Max. 1.5 L/min Max. 1.5 L/min	0.5 – 4.0 L/min Max. 4.0 L/min Max. 4.0 L/min	0.5 – 5.0 L/min Max. 5.0 L/min Max. 5.0 L/min	0.5 – 7.0 L/min Max. 5.0 L/min Max. 7.0 L/min
Blood storage capacity	1000 mL	3000 mL	4000 mL	4000 mL
Min. operating volume	15 mL	70 mL	200 mL	200 mL
Venous blood inlet port	1/4" (6.4 mm) rotatable	3/8" (9.5 mm) rotatable	1/2" (12.7 mm) rotatable	1/2" (12.7 mm) rotatable
Blood outlet port (to pump)	1/4" (6.4 mm)	3/8" (9.5 mm)	·	
Suction ports	Five 3/16" – 1/4" (4.8 mm – 6.4 mm) rotatable	Six 1/4" (6.4 mm)		
Vertical port (to CR filter)	n.a.	3/8" (9.5 mm)		
Quick prime port	1/4" (6.4 mm)			
Vent port	1/4" (6.4 mm)			
Auxiliary port	1/4" – 3/8" (6.4 mm	– 9.5 mm)		
Luer ports	Three filtered luer locks to cardiotomy filter, one non-filtered luer lock,			red luer lock,
Maximum sustainable negative pressure in reservoir	-150 mmHg (-20.0 kPa)			

Ordering Information

DESCRIPTION

CATALOG NO. UNITS/CASE DESCRIPTION

Holders for CAPIOX FX Oxygenators

CATALOG NO. UNITS/CASE

CAPIOX FX05 Oxygenator Oxygenator with integrated arterial filter ¹ CX*FX05W Oxygenator with integrated arterial filter ¹ CX*FX05E Oxygenator with integrated arterial filter/hardshell reservoir ² CX*FX05RW Oxygenator with integrated arterial filter/hardshell reservoir ² CX*FX05RE		
CAPIOX FX15 Oxygenator		ł
Oxygenator with integrated arterial filter ³ CX*FX15W Oxygenator with integrated arterial filter ³ CX*FX15E Oxygenator with integrated arterial filter/hardshell reservoir ⁴ CX*FX15RW30 Oxygenator with integrated arterial filter/hardshell reservoir ⁴ CX*FX15RE30 Oxygenator with integrated arterial filter/hardshell reservoirCX*FX15RW40 Oxygenator with integrated arterial filter/hardshell reservoirCX*FX15RW40		
CAPIOX FX25 Oxygenator		
Oxygenator with integrated arterial filter CX*FX25W		
Oxygenator with integrated arterial filter CX*FX25E		1
Oxygenator with integrated arterial filter/hardshell reservoir CX*FX25RW	2	
Oxygenator with integrated arterial filter/hardshell reservoir CX*FX25RE	2	

Holder for FX05 oxygenator	XX*CXH05	1
Holder for FX05 oxygenator with hardshell reservoir	XX*CXH05R	1
Adapter for SX holder for FX05	XX*CXH05AD	1
Holder for FX15/25 oxygenator with hardshell reservoir (short arm)	801139	1
Holder for FX15/25 oxygenator with hardshell reservoir (long arm)	801804	1
Holder for FX25 oxygenator (US only)	812613	1
Holder for FX15 oxygenator (US only)	812614	1
Holder for FX15/25 oxygenator (Europe only)	XX*CXH15	1
Holder for FX15/25 oxygenator when separated from reservoir	XX*CXH25F	1
Holder for FX15/25 oxygenator with hardshell reservoir (Europe only)	XX*CXH18R	1
Holder for FX15/25 oxygenator with hardshell reservoir,		
short arm (Europe only)	XX*XH032	1
¹ Contains 2 adapters 3/16" – 1/4" and a recirculation line		

 2 Contains 4 adapters 3/16" – 1/4", 1 adapter 1/4" – 3/8" and a recirculation line 3 Contains 2 adapters 1/4" – 3/8"

⁴ Contains 4 adapters 1/4" – 3/8"

(T) TERUMO[®]

TERUMO CARDIOVASCULAR SYSTEMS CORPORATION 6200 Jackson Road Ann Arbor, Michigan 48103-9300 USA 734 663 4145 phone 734 663 7981 fax 800 521 2818 toll free www.terumo-cvs.com

Terumo® and CAPIOX® are registered trademarks of Terumo Corporation. XCoating™ is a trademark of Terumo Corporation. © 2009 Terumo Europe Cardiovascular Systems. Printed in Germany.

TERUMO EUROPE N.V.

Researchpark Haasrode 1520 Interleuvenlaan 40 B-3001 Leuven Belgium 32 16 38 12 11 phone 32 16 40 02 49 fax www.terumo-europe.com

TERUMO EUROPE N.V. CARDIOVASCULAR DIVISION Hauptstrasse 87 D-65760 Eschborn Germany 49 6196 8023 500 phone 49 6196 8023 555 fax www.terumo-europe.com

TERUMO LATIN AMERICA CORPORATION 8750 NW 36th Street, Suite 600 Miami, Florida 33178 USA 305 477 4822 phone 305 477 4872 fax 800 283 7866 toll free

TERUMO CORPORATION

44-1, 2-chome Hatagaya, Shibuya-ku Tokyo 151-0072 Japan 81 3 3374 8111 phone 81 3 3374 8196 fax www.terumo.com



DECLARATION OF CONFORMITY

We, TERUMO CORPORATION 44-1, 2-chome, Hatagaya, Shibuya-ku, Tokyo 151-0072, Japan

being the manufacturer of:

CAPIOX FX

Product : Extra-corporeal Membrane Oxygenator

declare that the above products of **Class IIa** are in conformity with the provisions of the EC Council Directive 93/42/EEC of 14 June 1993, as amended, concerning medical devices, and have been subject to the conformity assessment procedure laid down in Article 11, 2 and 11, 3(a) of the Directive, relating to the "Full quality assurance" set out in Annex II, and by certification of Annex II, excluding Section 4 under the supervision of TÜV Rheinland LGA Products GmbH (Registration No.: HD 60121893 0001), Tillystraße 2, 90431 Nürnberg Germany, as Notified Body authorized by the German Competent Authority and carrying the Notified Body No. 0197.

Authorized European Representative : TERUMO EUROPE N.V. Interleuvenlaan 40, 3001 Leuven, Belgium

Object of the declaration: see appendix A

Tokyo, August 30, 2017 (place and date of issue)

Tulio Mahas

Toshio Nakashima General Manager Quality Assurance Department TERUMO CORPORATION



No.DOC-DQ010- 0639 Rev.06

Appendix A - List of Code Number Structure

С	Х	*	F	Х						
1	2	3	4	5	6	7	8	9	10	11

Character number	Character & Meaning
1,2,4,5	Product name CAPIOX FX
3	Destination * : for export
6-7	Effective fiber surface area 25 : approx. 2.5m ² 05 : approx. 0.5m ² 15 : approx. 1.5m ²
8	Availability of hardshell venous reservoir R : Available Blank : Not available
9	Reserve W : Blood outlet port orientation is left when water ports faces this side. E : Blood outlet port orientation is right when water ports faces this side.
10-11	Types of hardshell venous reservoir *1 30 : With 3000mL Reservoir 40 : With 4000mL Reservoir *1FX15 only



Quality Management System EN ISO 13485:2016

Registration No.: SX 1485480-1

Organization:

Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

Scope:

Design and Development, Manufacture, Distribution and Service of

- Angiographic Catheter and Accessories
- Anti-adhesion System
- Balloon Dilatation Catheter
- Blood Collection/Transfusion Device and Accessories
- Blood Glucose Monitoring system
- Cartridge Injection System
- Catheter Introducer and Accessories
- Electronic Sphygmomanometer
- Electronic Thermometer
- Embolization Prosthesis and Accessories
- Endoscopic Vessel Harvesting System
- Extracorporeal Circulation Device and Accessories
- Falloposcopic Tuboplasty Device and Accessories
- Guide Wire and Accessories
- Guiding/Micro Catheter and Accessories
- Infusion Pump
- Infusion Set and Accessories

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.

Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.:	150241635-301		
Effective date:	2021-08-30		
Expiry date:	2023-08-29		
Issue date:	2021-08-29		



Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



10/020 d 04.08 (8) TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior ap



Quality Management System EN ISO 13485:2016

Registration No.:

SX 1485480-1

Organization:

Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

- Intravascular Imaging Catheter and Accessories
- Intravascular Imaging System and Accessories
- Intravenous Catheter
- Left-Ventricular Assist System
- Needle
- Open-heart surgery devices and Accessories
- Oral Care Device and Accessories
- Peritoneal Dialysis Device and Accessories
- Pneumatically-powered Massager
- Prefillable Syringe
- Pulse Oximeter
- Radial Artery Hemostasis Device and Accessories
- Stent System
- Syringe
- Syringe Infusion Pump
- Syringe with Needle
- Thrombus Removal Device
- Tube Catheter and Accessories
- Urine test strip
- Vascular Closure Device
- Vascular Inspection/Treatment Kit
- Vascular prosthesis and Accessories
- Wearable Infusion Pump

Report No.: Effective date: Expiry date: Issue date: 150241635-301 2021-08-30 2023-08-29 2021-08-29



Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



10/020 d 04.08 🐵 TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approva



Quality Management System EN ISO 13485:2016

Registration No.:

SX 1485480-1

Organization: Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

The scope of certification also covers the following:

No.	Facility	Scope
/01	c/o Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan	Aspects related to Design and Development, Manufacture, Distribution and Service.
/02	c/o Terumo Corporation - Tokyo office 3-20-2, Nishi-Shinjuku Shinjuku-ku, Tokyo 163-1450 Japan	Aspects related to Design and Development and activities related to corporate management processes.
/03	c/o Terumo Corporation Shanan Contor	Aspects related to Distribution and activities

 /03 c/o Terumo Corporation, Shonan Center 1500, Inokuchi, Nakai-machi Ashigarakami-gun, Kanagawa 259-0151 Japan Aspects related to Distribution and activities related to customer communication processes.

Report No.:	150241635-301		
Effective date:	2021-08-30		
Expiry date:	2023-08-29		
Issue date:	2021-08-29		

10/020 d 04.08 @ TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval





Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



Quality Management System EN ISO 13485:2016

Registration No.: SX 1485480-1

Organization:

Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

Scope:

Design and Development, Manufacture, Distribution and Service of

- Angiographic Catheter and Accessories
- Anti-adhesion System
- Balloon Dilatation Catheter
- Blood Collection/Transfusion Device and Accessories
- Blood Glucose Monitoring system
- Cartridge Injection System
- Catheter Introducer and Accessories
- Electronic Sphygmomanometer
- Electronic Thermometer
- Embolization Prosthesis and Accessories
- Endoscopic Vessel Harvesting System
- Extracorporeal Circulation Device and Accessories
- Falloposcopic Tuboplasty Device and Accessories
- Guide Wire and Accessories
- Guiding/Micro Catheter and Accessories
- Infusion Pump
- Infusion Set and Accessories

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.

Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.:	150241635-301		
Effective date:	2021-08-30		
Expiry date:	2023-08-29		
Issue date:	2021-08-29		



Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



10/020 d 04.08 (8) TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior ap



Quality Management System EN ISO 13485:2016

Registration No.:

SX 1485480-1

Organization:

Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

- Intravascular Imaging Catheter and Accessories
- Intravascular Imaging System and Accessories
- Intravenous Catheter
- Left-Ventricular Assist System
- Needle
- Open-heart surgery devices and Accessories
- Oral Care Device and Accessories
- Peritoneal Dialysis Device and Accessories
- Pneumatically-powered Massager
- Prefillable Syringe
- Pulse Oximeter
- Radial Artery Hemostasis Device and Accessories
- Stent System
- Syringe
- Syringe Infusion Pump
- Syringe with Needle
- Thrombus Removal Device
- Tube Catheter and Accessories
- Urine test strip
- Vascular Closure Device
- Vascular Inspection/Treatment Kit
- Vascular prosthesis and Accessories
- Wearable Infusion Pump

Report No.: Effective date: Expiry date: Issue date: 150241635-301 2021-08-30 2023-08-29 2021-08-29



Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



10/020 d 04.08 🐵 TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approva



Quality Management System EN ISO 13485:2016

Registration No.:

SX 1485480-1

Organization: Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan

The scope of certification also covers the following:

No.	Facility	Scope
/01	c/o Terumo Corporation 44-1, 2-chome, Hatagaya Shibuya-ku, Tokyo 151-0072 Japan	Aspects related to Design and Development, Manufacture, Distribution and Service.
/02	c/o Terumo Corporation - Tokyo office 3-20-2, Nishi-Shinjuku Shinjuku-ku, Tokyo 163-1450 Japan	Aspects related to Design and Development and activities related to corporate management processes.
/03	c/o Terumo Corporation Shanan Contor	Aspects related to Distribution and activities

 /03 c/o Terumo Corporation, Shonan Center 1500, Inokuchi, Nakai-machi Ashigarakami-gun, Kanagawa 259-0151 Japan Aspects related to Distribution and activities related to customer communication processes.

Report No.:	150241635-301
Effective date:	2021-08-30
Expiry date:	2023-08-29
Issue date:	2021-08-29

10/020 d 04.08 @ TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval





Michiaki Aihara TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany





Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that:

Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Holds Certificate No:

FM 584812

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 for the following scope:

Design and Development, Manufacturing and Distribution of Blood Oxygenators, Centrifugal Pumps, Cardioplegia Delivery Sets, Cardiovascular Procedure Kits, Pressure Relief Valves, CDI Cuvettes, CDI Shunt Sensors, CDI Calibration Gases, Blood Reservoirs and Endoscopic Vessel Harvesting Systems, On and Off Pump Coronary Artery Bypass Graft Instruments/Devices and Accessories.

jang CS

For and on behalf of BSI:

Gary E Slack, Senior Vice President - Medical Devices

Original Registration Date: 2012-05-08 Latest Revision Date: 2021-10-13

bsi.



Effective Date: 2021-10-15

Expiry Date: 2024-10-14

Page: 1 of 1

...making excellence a habit."

This certificate remains the property of BSI and shall be returned immediately upon request. An electronic certificate can be authenticated <u>online</u>. Printed copies can be validated at www.bsigroup.com/ClientDirectory To be read in conjunction with the scope above or the attached appendix.

Americas Headquarters: BSI Group America Inc., 12950 Worldgate Drive, Suite 800, Herndon, VA 20170-6007 USA A Member of the BSI Group of Companies.





Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

No. Issued To: CE 584795 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

In respect of:

Design, Development and Manufacture of Sterile Blood Oxygenators, Centrifugal Pumps, Cardioplegia Delivery Sets, Pressure Relief Valves, Cuvettes, Shunt Sensors, Blood Reservoirs, Vessel Harvesting Systems, Devices for heart stabilization and positioning for use in open heart surgery.

Those aspects of Annex II related to securing and maintaining Sterility in the manufacture of the suture holder.

on the basis of our examination of the quality assurance system under the requirements of Council Directive 93/42/EEC, Annex II excluding section 4. The quality assurance system meets the requirements of the directive. For the placing on the market of class III products an Annex II section 4 certificate is required.

For and on behalf of BSI, a Notified Body for the above Directive (Notified Body Number 2797):

Gary C Stade

Gary E Slack, Senior Vice President - Medical Devices

First Issued: 2012-05-31

Date: 2021-05-17

Expiry Date: 2024-05-26 ...making excellence a habit.[™] Page 1 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.





Supplementary Information to CE 584795

Issued To:

Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Number	Device Name	Intended purpose per IFU
Class III		Non a contraction
	CDI Shunt Sensors	See CE 586827
Class IIb		
MD1104	Vessel Harvesting System	The VirtuoSaph Plus Endoscopic Vessel Harvesting System VSP550EX is indicated for use in minimally invasive surgery allowing access for vessel harvesting and is indicated for adult patients undergoing endoscopic surgery for arterial bypass. It is indicated for cutting tissue and controlling bleeding through coagulation, and for adult patients requiring blunt dissection of tissue including dissection of blood vessels of the extremities. Extremity procedures include tissue dissection and/or vessel harvesting along the saphenous vein for coronary artery and peripheral artery bypass. The radial artery is only used for coronary artery bypass.

First Issued: 2012-05-31

Date: 2021-05-17

Expiry Date: 2024-05-26

...making excellence a habit.[™] Page 2 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.





Supplementary Information to CE 584795

Issued To:

Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Number	Device Name	Intended purpose per IFU	
Class IIa		Non an Estar	
MD0102	Cardio Pulmonary ByPass Circuit and Cardioplegia Accessories	- E 2 De	
MD0106	Devices for heart stabilization and positioning		
Class Is			
MD0106	Suture Holder		

First Issued: 2012-05-31

Date: 2021-05-17

Expiry Date: 2024-05-26

...making excellence a habit.[™] Page 3 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.





Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

Recognised as being involved in services relating to the product covered by:

CE 584795

Certificate No: Date:

Issued To:

2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Subcontractor:

Service(s) supplied

Aomori Olympus Co., Ltd 2-248-1, Okkonoki Kuroishi-Shi AOMORI 036-0357 Japan

Indo-MIM Pvt. Ltd. Plot #45 (P) KIADB Industrial Area Hoskote Bangalore 562 114 Karnataka India

Isomedix Operations, Inc. 435 Whitney Street Northborough Massachusetts 01532 USA

Manufacture

Manufacture

ETO Sterilization

...making excellence a habit."

Page 1 of 4





Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

Recognised as being involved in services relating to the product covered by:

CE 584795

Certificate No: Date:

Issued To:

2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Subcontractor:

Service(s) supplied

ETO Sterilization

Sterigenics EO Canada, Inc. 781 Pharmacy Avenue Toronto Ontario M1L3K2 Canada

Sterigenics US, LLC 344 Bonnie Circle Corona California 92880 USA Radiation (Gamma Sterilization)

Sterigenics US, LLC 2311 Lincoln Avenue Hayward California 94545 USA **Radiation (Gamma Sterilization)**

...making excellence a habit.[™]

Page 2 of 4





Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

Recognised as being involved in services relating to the product covered by:

CE 584795

Certificate No: Date:

Issued To:

2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Subcontractor:

Service(s) supplied

ETO Sterilization

Sterigenics US, LLC 84 Park Road Queensbury New York 12804 USA

Surmodics, Inc. 9924 West 74th Street Eden Prairie Minnesota 55344 USA

Terumo Cardiovascular Systems Corp. 6200 Jackson Road Ann Arbor Michigan 48103 USA **Crucial Supplier**

Design Development

...making excellence a habit."

Page 3 of 4





Directive 93/42/EEC on Medical Devices, Annex II excluding Section 4

List of Significant Subcontractors

Recognised as being involved in services relating to the product covered by:

CE 584795

Certificate No: Date:

Issued To:

2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Subcontractor:

Terumo Europe N.V. Interleuvenlaan 40 3001 Leuven Belgium

Terumo Medical Corporation 950 Elkton Boulevard Elkton MD 21921 USA Service(s) supplied

EU Representative

Radiation (Gamma Sterilization)

...making excellence a habit."

Page 4 of 4





EC Certificate - Full Quality Assurance System Certificate History

Certificate No:

CE 584795

Date: Issued To: 2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Date	Reference Number	Action	
31 May 2012	7805751	First issue. Transfer from another Notified Body.	
14 August 2014	8180239	Extend scope to include devices for heart stabilization and positioning for use in open heart surgery; Remove "Cardiovascular Procedure Kits" from Scope. Add subcontractors relevant to heart stabilization and positioning devices: ARMM,Inc., Indo-US MIM Tec Pvt. Ltd., and Sterigenics Hayward, and Corona sites.	
29 May 2015	8184532	Scope updated from "Endoscopic Vein Harvesting Systems" to "Endoscopic Vessel Harvesting Systems".	
09 February 2017	8630231	Certificate renewal. Word 'sterile' added to scope. Crucial supplier SurModics added. Significant subcontractors ARMM Inc in California USA, Sterigenics US LLC in New Jersey USA and Sterigenics in NC USA removed. Administrative changes.	
13 February 2019	7843590	Traceable to NB 0086.	

...making excellence a habit." Page 1 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.





EC Certificate - Full Quality Assurance System Certificate History

Certificate No: Date:

Issued To:

CE 584795 2021-05-17 Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Date	Reference Number	Action	
15 May 2020	9749499	Certificate renewal	
		Addition of device table	
		Update to certificate scope:	
		- Removal of arterial filters	
		- Removal of CDI from cuvettes and shunt	
		- Removal of CDI calibration gases	
		- Removal of Endoscopic from vessel harvesting systems	
		- Removal of associated sterile and non-sterile accessories.	
		- Addition of "Those aspects of Annex II related to securing and maintaining Sterility in the manufacture of the suture holder."	
		Updates to certificate subcontractors:	
		- Removal of Olympus Winter	
		- Administrative correction in name and address of Indo-MIM Pvt. Ltd.	
		- Replaced Road with Boulevard in address of Terumo Medical Corporation subcontractor.	
17 May 2021	3430430	Addition of sterilization subcontractor Sterigenics EO Canada, Inc. for the Terumo Capiox Oxygenators / Reservoirs.	

...making excellence a habit."

Page 2 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.





EC Certificate - Full Quality Assurance System Certificate History

Certificate No: CE 584795 Date: 2021-05-17 Issued To: Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

Date	Reference Number	Action
Non-significant changes approved after the 26 th May 2021 as per the Transitional Provisions of MDR Article 120.3		
16 June 2022	3682750	Addition of subcontractor Isomedix Operations, Inc., 435 Whitney Street, Northborough, Massachusetts 01532 USA

...making excellence a habit." Page 3 of 3

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive as demonstrated through the required surveillance activities of the Notified Body. This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

This certificate was issued electronically and is bound by the conditions of the contract.



16 June 2022

Terumo Cardiovascular Systems Corporation 125 Blue Ball Rd Elkton Maryland 21921 USA

To whom it may concern,

The transitional provisions specified in MDR Article 120(3) prohibit Notified Bodies from issuing new certificates or amending, modifying, supplementing any existing MDD/AIMDD certificates from 26th May 2021.

This letter is to confirm that BSI has reviewed and approved the change(s) detailed in the table below. These changes do not represent a significant change in design or intended purpose under MDR Article 120(3) and as per the guidance provided in MDCG 2020-3. The related MDD certificate specified below remains valid until the expiry date specified on the certificate.

Certificate	Directive and Annex	Reference Number	Changes approved
CE 584795	93/42/EEC Annex II excluding Section 4	3682750	Addition of subcontractor Isomedix Operations, Inc., 435 Whitney Street, Northborough, Massachusetts 01532 USA

Should you have any queries concerning your certification, or if we can be of further assistance to you, please contact your BSI Scheme Manager.

Yours sincerely,

len

Graeme Tunbridge Senior Vice President, Medical Devices

T: +31 20 346 0780 info.nl@bsigroup.com bsigroup.nl







Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

Scope:

Design and development, manufacture and sterilization of syringes, needles, administration sets, angiographic interventional catheter systems, extra corporeal circuits for open heart surgery and ancillary devices, nonvascular guide wires, short peripheral catheters and related accessories.

Clinical investigation, marketing and distribution of active and non-active medical devices, active implantable medical devices, and in vitro diagnostic medical devices.

Installation and serving of active medical devices.

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.

Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled The quality management system is subject to yearly surveillance.

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



Dipl.-Ing. (FH) D. Wiedemuth TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



10/020 n. 04.03 🐵 TÜV, TUEV and TU- are registered trademarks. Utilisation and application requires provi aport al



Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

No. Facility

/02

/01 c/o TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

c/o Terumo Europe UK

Merseyside, Knowsley

Knowsley Business Park South

3 Unity Grove

United Kingdom

L34 9GT

Scope

Design and development, manufacture and sterilization of syringes, needles, administration sets, angiographic interventional catheter systems, extra corporeal circuits for open heart surgery and ancillary devices, non-vascular guide wires, short peripheral catheters and related accessories. Clinical investigation, marketing and distribution of active and non-active medical devices, active implantable medical devices, and in vitro diagnostic medical devices. Installation and serving of active medical devices

Design and development, manufacture and sterilization of extra corporeal circuits for open heart surgery and ancillary devices

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



Dipl.-Ing. (FH) D. Wiedemuth TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany



0/020 h 04.08 @ TÜV, TUEV and TU / are registered trademarks. Utilisation and application requires prior approval



Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization: TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

- /03 c/o Terumo Deutschland GmbH Ludwig-Erhard-Str. 6 65760 Eschborn Germany
- /04 c/o Terumo France S.A.S. Bâtiment Renaissance, 3 rond-point des Saules 78280 Guyancourt France
- /05 c/o Terumo Italia S.r.I. Via Paolo di Dono 73 00142 Roma Italy
- /06 c/o Terumo Europe España SL Avda. Juan Carlos I, N°13-7 Planta 28806 Alcalá de Henares (Madrid) Spain

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



10/029 h 04.08 @ TÜ'C TUEV and TU'' are registered trademarks. Utilisation and application requires prior approval





Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

- /07 c/o Terumo Europe UK Ltd. Otium House 2 Freemantle Road Bagshot Surrey GU19 5LL United Kingdom
- /08 c/o Terumo Europe N.V. Benelux Sales Division Interleuvenlaan 40 3001 Leuven Belgium
- /09 c/o Terumo Sweden AB Sven Källfets gata 16 SE-426 71 Västra Frölunda Sweden
- /10 c/o Terumo Deutschland GmbH
 Zweigniederlassung Switzerland
 Bodenäckerstrasse 3
 8957 Spreitenbach
 Switzerland

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



10/020 h 04.03 🕸 TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior appre-al





Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization: TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

- /11 c/o Terumo Europe N.V.
 European Distribution Center
 Brikkenovenstraat 48
 3600 Genk
 Belgium
- /12 c/o Terumo Europe N.V. Terumo Interventional Systems EMEA (TIS-EMEA) Interleuvenlaan 40 3001 Leuven Belgium
- /13 c/o Terumo Europe N.V. Terumo Cardiovascular Europe Middle East & Africa (TCV-EMEA) Ludwig-Erhard-Straße 6 65760 Eschborn Germany

Storage and distribution of active and nonactive medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Marketing of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Marketing of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25







Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization: TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

- /14 c/o Terumo Europe N.V. Terumo Medical Products EMEA (TMP-EMEA) Interleuvenlaan 40 3001 Leuven Belgium
- /15 c/o Terumo Europe N.V. Diabetes Management EMEA (DM-EMEA) Interleuvenlaan 40 3001 Leuven Belgium
- /16 c/o Terumo Europe N.V.
 Terumo Pharmaceutical Solutions
 Interleuvenlaan 40
 3001 Leuven
 Belgium
- /17 c/o Terumo Deutschland GmbH
 Zweigniederlassung Austria
 Liebermannstrasse F10-301
 2345 Brunn am Gebirge
 Austria

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



Marketing of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Marketing of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Marketing of active and non-active medical devices and active implantable medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices





Quality Management System EN ISO 13485:2016

Registration No.: SX 1594584-1

Organization:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

The scope of certification also covers the following sites:

- /18 c/o Terumo Europe N.V. Emerging Market Division Interleuvenlaan 40 3001 Leuven Belgium
- /19 c/o Terumo Poland Sp. Zoo
 Wisniowy Business Park budynek D
 ul. 1 Sierpnia 6
 02-134 Warszawa
 Poland

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Distribution of active and non-active medical devices, active implantable medical devices, and in-vitro diagnostic medical devices

Report No.:	3350367-50
Effective date:	2021-12-08
Expiry date:	2024-12-07
Issue date:	2021-11-25



10/020 h 04:08 @ TUM, TUEY and TUV are registered trademarks. Utilisation and application requires prior approval





EC Certificate Directive 93/42/EEC Annex II, excluding Section 4 Full Quality Assurance System Medical Devices

Registration No.: HD 60134707 0001

Report No.: 21240046 017

Manufacturer: TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

Products:(see attachment for products and additional sites included)Replaces Certificate, Registration No.: HD 60106290 0001

Expiry Date: 2024-05-26

The Notified Body hereby declares that the requirements of Annex II, excluding section 4 of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex II, section 5 of the aforementioned directive. For placing on the market of class III devices covered by this certificate an EC design-examination certificate according to Annex II, section 4 is required.

Effective Date: 2020-04-21

Notified Body

Date:

2020-04-21

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.



Doc. 1/2, Rev. 0

TÜV Rheinland LGA Products GmbH Tillystraße 2, 90431 Nürnberg

Attachment to Certificate Registration No.: HD 601 Report No.: 212400

HD 60134707 0001 21240046 017

Manufacturer:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

Products included:

- Syringes
- Needles
- Administration sets
- Extra corporeal circuits for open heart surgery
- Non-vascular guide wires
- Introducer for vascular access
- Angiographic Catheters
- Guidewire for Angiography

For the following devices the scope covers only the aspects of the manufacture concerned with the securing and maintaining sterile conditions: - Ancillary devices for extracorporeal circuits

- for open heart surgery
- Mixing needles



Date: 2020-04-21



Doc. 2/2, Rev. 0

TÜV Rheinland LGA Products GmbH Tillystraße 2, 90431 Nürnberg

Attachment to Certificate Registration No.: Report No.:

HD 60134707 0001 21240046 017

Manufacturer:

TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven Belgium

additional sites included:

Terumo Europe N.V. European Distribution Center Brikkenovenstraat 48 3600 Genk, Belgium

Terumo Europe UK 3 Unity Grove, Knowsley Business Park South Knowsley, Merseyside L34 9GT, United Kingdom



Date: 2020-04-21

10/020 h 04.09 @ TÜI, TUSV and TUV are registered trademarks. Utilisation and application requires prior approval



Terumo Cardiovascular Group 125 Blue Ball Road, Elkton, Maryland 21921 Main: 410.398.8500 Toll-free; 800.283.7866 www.terumo-ovgroup.com

DECLARATION OF CONFORMITY

We, TERUMO CARDIOVASCULAR SYSTEMS CORPORATION, located at 125 Blue Ball Rd., Elkton, Maryland USA 21921, and being the manufacturer of:

Terumo[®] Capiox Oxygenators/Reservoirs

Product Codes: CX*SX18R, CX*SX18X, CX*SX18RX, CX*SX18R03, CX*SX25R, CX*SX25X, CX*SX25RX, 3CX*RX25RE, 3CX*RX25RW, 3CX*RX15RW30, 3CX*RX15RE30, 3CX*RX15RW40, 3CX*RX15RE40, 3CX*FX15RW30C, 3CX*FX15RW40C, 3CX*FX15RE30C, 3CX*FX15RE40C, 3CX*FX25REC, 3CX*FX25RWC, 3CX*R4000C

Classification: Class IIa - Rule 3 of Annex IX

Declare that the above products are in conformity with the provisions of the EC Council directive 93/42/EEC of 14 June 1993, as amended, concerning medical devices, and have been subject to the conformity assessment procedure laid down in the EC Council Directive 93/42/EEC Article 11, 2 and 3(a) relating to the "Full quality assurance" set out in Annex II, under the supervision of BSI (Certificate Registration No. CE 584795), as Notified Body authorized by the Netherlands Competent Authority and carrying the Notified Body No. 2797.

Authorized European Representative: TERUMO EUROPE N.V. Interleuvenlaan 40 3001 Leuven, Belgium

Date

Adam Pickholtz Regulatory Alfairs Manager Terumo Cardiovascular Systems Corp. Elkton, Maryland 21921 USA



Rev. 17 PS-3073

DECLARATION OF CONFORMITY

We, **TERUMO EUROPE N.V.** Interleuvenlaan 40, 3001 Leuven, Belgium

being the manufacturer of:

TUBING SET with X-coating (optional)

Product: Extra-Corporeal Blood Circuit for open heart surgery (See Appendix A for related product codes)

declare that the above product of Class IIa is in conformity with the provisions of the EC Council Directive 93/42/EEC of 14 June 1993, as amended, concerning medical devices, and has been subject to the conformity assessment procedure laid down in Article 11.2 and 11.3(a) of the Directive, relating to the "Full Quality Assurance System" set out in Annex II, and by certification of Annex II.3 (Registration No: HD 60106290 0001), under the supervision of TÜV Rheinland LGA Products GmbH as Notified Body authorized by the German Competent Authority and carrying the Notified Body No. 0197.

Leuven, 21 December 2018

(place and date of issue)

M.J. Aerts

VP Regulatory & Quality TERUMO EUROPE N.V.



Appendix A – Related product codes

The product code is composed of 10 digits maximum and explained as follows:

Customer requested device configurations

1	2	3	4	5	6	7	8	9	10	
С	C X For Capiox® Cardiovasc								ular D	evices
Manu	facturer	20	Te	erun	no E	uro	ре			
Code of Eu sales brand sales	d countrie ropean ches/othe blocks	es er	r C C							
Sequ	ential nur	nbe	r		n	n	n	00)1,	
X-coating							x	Voic is in	l if no X-coated component cluded	
Variant pack requested by customer									•	Sequential letter (A, B,, Z) – void if no variant pack

Standard device configurations

1	2	3	4	5	6	7	8	9	10	
C X For Capiox® Cardiovas									ular I	Devices
Manu	facturer	- Terumo Europe								
Standard Finished product										
Туре	of pack			T	S	Те	erum	10 S	tand	lard Pack
Sequential number							0	1		
X-coating							1	X	X-coated components	



Accessory packs for reduced prime circuits:

- Standard device configurations

1	2	3	4	5	6	7					
С	x	Fc	or Capiox [®] Cardiovascular Devices								
Manu	facturer	•	Те	erun	no E	Europe					
Stand ROCs Acces	lard afe sory Pacl	k	ROC								
Type of Accessory pack				ck		A with flexible venous resevoir					
			B with hardshell venous reservoir and rigid adult sucker								
			C			C with rigid adult sucker					
					[G Table Set					
						H for pressure monitoring					

- Customer requested device configurations

1	2	3	4	5	6	7	8	9	
С	x	Fo	or C	apio	ox®	Cardi	ovas	cula	ar Devices
Manu	facturer	-	- Terumo Europe						
Reduced prime optimised R O C circuit					с				
Sequential letter						N	Α,	в,	
Sequential number									01,



Quality Management System EN ISO 13485:2016

Registration No.:	SX 1567993-1

Organization:

Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

Scope:

Design and Development, Manufacture, Service and Sterilization (ETO, E-beam) of

- Cardiopulmonary Bypass Arterial Line Blood Filter
- Heart-Lung Bypass Defoamer
- Cardiotomy Reservoir
- Haemoconcentration Filter
- Extra-corporeal Membrane Oxygenator
- Cardiopulmonary Bypass Blood Reservoir
- Angiographic Catheter
- Stents
- Balloon Dilatation Catheter
- Catheter Guide Wire
- Catheter Introducer
- Wire Twister
- Guiding Catheter
- Extension Tube
- Coronary Imaging Catheters
- Centrifugal Pump
- Radial Artery Hemostasis Band

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.

Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23

TUV, TUEV and TUV are registered trademarks. Utilisation and application requires prior app



Masahiro Asami TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 1/6

DAkkS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

10/020 d 04.08 @



Quality Management System EN ISO 13485:2016

Registration No.: SX 1567993-1

Organization:

Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

Design and Development, Manufacture, Service and Sterilization (ETO, E-beam) of

- Temperature Control Unit for Heart-Lung Bypass System Module
- Air/Fluid Level Detector for Heart-Lung Bypass System Module
- Centrifugal Pump Controller
- Syringe Infusion Pump
- Infusion Pump
- Clinical Electronic Thermometer
- Deep Body Temperature Monitor
- Clinical Electronic Blood-Pressure Meter
- Medical Equipment for Blood Collection
- Medical Equipment for APD Systems
- Sterile Tube Connecting Systems
- Coronary Optical Coherence Tomography Systems
- Blood Glucose Meters for Blood Glucose Monitoring Systems

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23

Deutsche

10/020 d 04.08 ®

Akkreditierungsstelle D-ZM-14169-01-02

TÜV, TUEV and TUV are registered trademarks. Utilisation and application



TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 2/6



Quality Management System EN ISO 13485:2016

Registration No.: SX 1567993-1

Organization:

Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

The scope of certification also covers the following:

No. Facility

/01 Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

Scope

Activities related to Design and Development, Manufacture and Sterilization (ETO, E-beam) of the same as the scope of the main certificate except for design and development of Blood Glucose Meters for Blood Glucose Monitoring Systems.

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23



TÜV, TUEV and TUV are registered trademarks. Utilisation and ap

10/020 d 04.08 ®



Masahiro Asami TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 3/6



Quality Management System EN ISO 13485:2016

Registration No.: SX 1567993-1

Organization: Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

The scope of certification also covers the following:

/02 Terumo Corporation - Tokyo office
 3-20-2 Nishi-Shinjuku
 Shinjuku-ku, Tokyo
 163-1450 Japan

Activities related to service of all the active medical devices in the scope of the main certificate except for Blood Glucose Meters for Blood Glucose Monitoring Systems. Specifically, Temperature Control Unit for Heart-Lung Bypass System Module, Air/Fluid Level Detector for Heart-Lung Bypass System Module, Centrifugal Pump Controller, Syringe Infusion Pump, Infusion Pump, Clinical Electronic Thermometer, Deep Body **Temperature Monitor, Clinical Electronic** Blood-Pressure Meter, Medical Equipment for Blood Collection, Medical Equipment for APD Systems, Sterile Tube Connecting Systems, Coronary Optical Coherence Tomography Systems.

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23



TÜV, TUEV and TUV are registered trademarks. Utilisa

10/020 d 04.08



Masahiro Asami TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 4/6



Quality Management System EN ISO 13485:2016

Registration No.: SX 1567993-1

Organization: Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

The scope of certification also covers the following:

/03 Terumo Corporation, Shonan Center
 1500 Inokuchi, Nakai-machi
 Ashigarakami-gun, Kanagawa
 259-0151 Japan

Activities related to Design and Development and Service of all the active medical devices in the scope of the main certificate except for Blood Glucose Meters for Blood Glucose Monitoring Systems.Specifically, **Temperature Control Unit for Heart-Lung** Bypass System Module, Air/Fluid Level Detector for Heart-Lung Bypass System Module, Centrifugal Pump Controller, Syringe Infusion Pump, Infusion Pump, Clinical Electronic Thermometer, Deep Body Temperature Monitor, Clinical Electronic Blood-Pressure Meter, Medical Equipment for Blood Collection, Medical Equipment for APD Systems, Sterile Tube Connecting Systems, Coronary Optical Coherence Tomography Systems.

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23



TÜV, TUEV and TUV are registered trademarks. Ut



Masahiro Asami TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 5 / 6



Quality Management System EN ISO 13485:2016

Registration No.: SX 1567993-1

Organization: Terumo Corporation Ashitaka Plant 150, Maimaigi-cho Fujinomiya-shi Shizuoka, 418-0015 Japan

The scope of certification also covers the following:

 /04 Terumo Corporation - ME Center (Nagaizumi)
 1002-1 Shimonagakubo
 Nagaizumi-cho, Sunto-gun, Shizuoka
 411-0934 Japan Activities related to Design and Development, Manufacture and Service of all the active medical devices in the scope of the main certificate except for Blood Glucose Meters for Blood Glucose Monitoring Systems.Specifically, Temperature Control Unit for Heart-Lung Bypass System Module, Air/Fluid Level Detector for Heart-Lung Bypass System Module, Centrifugal Pump Controller, Syringe Infusion Pump, Infusion Pump, Clinical Electronic Thermometer, Deep Body Temperature Monitor, Clinical Electronic Blood-Pressure Meter, Medical Equipment for Blood Collection, Medical Equipment for APD Systems, Sterile Tube Connecting Systems, Coronary Optical Coherence Tomography Systems.

Report No.:	12031333 010
Effective date:	2021-01-10
Expiry date:	2023-07-09
Issue date:	2020-12-23



Masahiro Asami TÜV Rheinland LGA Products GmbH Tillystraße 2 · 90431 Nürnberg · Germany 6 / 6

DAKKS Deutsche Akkreditierungsstelle D-ZM-14169-01-02

020 d 04.08 ®