

Membrane Oxygenator

oxia™ IC-N

FEATURE

Compact and Effective

- ◆ Realize an ideal blood flow path by adopting the "straight circular flow path".
- ◆ Require easy-to-control gas and heat exchange performance for low flow range (neonatal and pediatric) oxygenator.
- ◆ oxa IC series has been designed to specifications that is a smaller blood contact area.



Legacoat™

Coated with MPC polymer having excellent blood compatibility
MPC polymer simulates the structure of phospholipid polar group in biological cell membrane and is a synthesized polymeric material polymer which shows antithrombotic property by suppressing adsorption and denaturation of protein.

SPECIFICATION

Product Number	From	Package
797010400	Membrane Oxygenator ONLY	1Pcs
797010500	Membrane Oxygenator ONLY	1Pcs
797010600	Membrane Oxygenator ONLY	1Pcs
797030700	Integrated Membrane Oxygenator and Reservoir	1Pcs
797030800	Integrated Membrane Oxygenator and Reservoir	1Pcs
797030900	Integrated Membrane Oxygenator and Reservoir	1Pcs
797030600	Integrated Membrane Oxygenator and Reservoir	1Pcs
797020300	Reservoir ONLY	1Pcs
797020400	Reservoir ONLY	1Pcs

SPECIFICATION

Item		Specification		
		oxia™ neo	oxia™ 06	oxia™ 10
Operating blood flow rate range (L/min)		0.1 ~ 1.0	0.1 ~ 2.0	
Blood filling volume (mL)		23	37	
Membrane area (m ²)		About 0.21	About 0.39	
Heat exchange area (m ²)		About 0.009	About 0.024	
Blood path max. pressure resistance strength (kPa)		67 (500 mmHg)		
Heat exchange water path max. pressure resistance strength (kPa)		127 (1.3kgf/cm ²)		
Port	Quantity	Applicable Tube I.D.		
Blood inlet port (mm)	1	6 ~ 6.4		9.5 ~ 10
Blood outlet port (mm)	1	6 ~ 6.4		9.5 ~ 10
Gas inlet port (mm)	1	6 ~ 6.4		
Gas outlet port (mm)	1	8		
Blood sampling port	1	-		
Luer port	1	-		
Cold and hot water port (mm)	2	12.7 (Can be connected to a coupler)		
Thermometer	1	-		
Surface treatment		Legacoat™		

Item			Specification
Max. blood storage volume (mL)			1200
Min. blood storage volume (mL)			15
Operating blood flow rate range (L/min)			0.1 ~ 2.0
Intracardiac blood filter filtration screen opening size (μm)			40
Max. operating negative pressure (kPa)			-20 (150mmHg)
Port		Quantity	Applicable Tube I.D.
Venous blood inlet port (mm)	6 mm port	1	6.0 ~ 6.4
	10 mm port	1	9.5 ~ 10
Blood outlet port (mm)		1	6.0 ~ 6.4
Intracardiac blood inlet port (mm)		4	4.8 ~ 6.4
Rapid filling port (mm)		1	6.0 ~ 6.4
Service port (mm)		2	6.0 ~ 6.4
Ben port and negative pressure aspiration port (mm)		1	6.0 ~ 6.4
Luer port	Inside intracardiac blood filter	4	-
	Inside venous blood defoaming	2	-
	Attached directly to venous blood inlet port	2	-
Thermometer		1	-
Over-positive/negative pressure protection valve		1	-
Surface treatment			Legacoat™