



Technowood®

PTS NEO

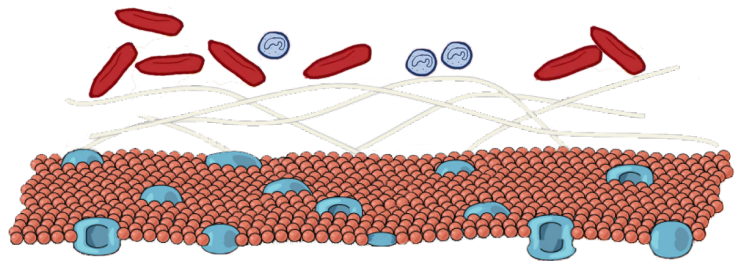
PERFUSION TUBING SET

01

MERITS

- + A wide lineup of various tubes (inch or millimeter-size) to create the optimum circuit configuration for use in a variety of surgical cases.
- + In addition to the usual straight connectors, there are also short connectors to minimize tubing length and connections. In pediatric setups, this can reduce the priming volume.
- + Technowood tubing sets are coated with TH-1 to prevent clot formation.

TH-1 coating



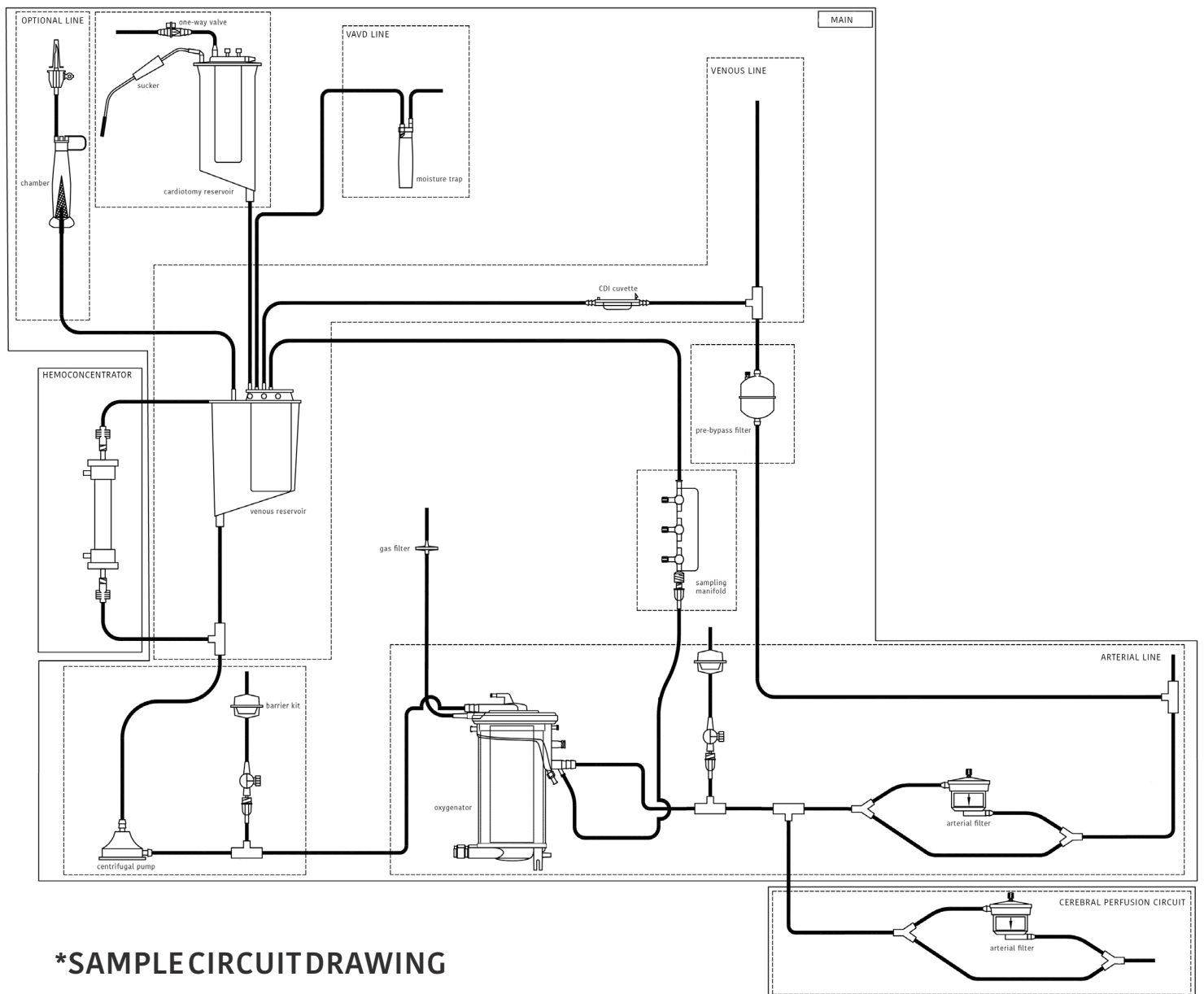
Hydrophilic proteins are embedded in a hydrophobic lipid bilayer in a mosaic microphase separation (microdomain) to simulate a regular cell membrane structure.

EFFECTS

- Prevention of thrombosis
- Resistance to protein deposition
- Prevention of platelet activation

02 LAYOUT

A wide variety of layouts can be accurately produced with easy-to-understand circuit drawings.



The prime volume in the circuit can be displayed upon request, and the increase / decrease in the prime volume due to the layout change can be easily confirmed.

03 COMPONENTS



TUBINGS	
Line tubing sizes	Pump tubing sizes
3 x 5.5	1/8 x 1/16
4 x 6.5 (H)	3/16 x 1/16
4 x 6.5 (S)	1/4 x 1/16
6 x 9	1/4 x 3/32
10 x 14	8 x 12
12 x 17	3/8 x 3/32
	1/2 x 3/32



HARD CONNECTORS			
straight	3/16, 1/4, 3/8, 1/2 3/16 x 1/4 1/4 x 3/8 3/8 x 1/2	Yconnector	1/4 x 1/4 x 1/4 3/8 x 3/8 x 3/8 3/8 x 1/4 x 1/4 1/2 x 3/8 x 3/8 3/8 x 3/8 x 1/4 1/2 x 1/2 x 1/4
straight + luer lock	3/16LL, 1/4LL, 3/8LL, 1/2LL 3/16 x 1/4LL 1/4 x 3/8LL 3/8 x 1/2LL	Yconnector + luer lock	1/4 x 1/4 x 1/4LL 3/8 x 3/8 x 3/8LL
straight (special)	1/4 x luer port		



SOFT CONNECTORS		
Yconnector	Tconnector	Reducer
4 x 4 x 4	3 x 3 x 3	4 - 6
6 x 6 x 6	4 x 4 x 4	4 - 8
6 x 4 x 4	6 x 6 x 6	10 - 12
8 x 8 x 8	10 x 10 x 10	6 x 9-8 x 12
10 x 10 x 10	12 x 12 x 12	6 x 9-10 x 14
3/16 x 1/4	8 x 12 - 5.5	4 - 1/4
3/8 - 3/32	8 x 12 - 6	4 - 3/32
1/2 - 3/8	8 - 4	6 - 3/32
3/32	8 - 1/4	6 - 3/8
3/16	1/4 - 4	10 - 3/32
3/8	3/16, 3/32, 1/4	5/32 - 1/4
1/4	3/32 - 1/4	5/32 - 3/32
	3/8 - 1/4	3/16 - 1/4
	3/8 - 3/32	3/16 - 3/32
	1/2 - 1/4	3/32 - 3/8
	1/2 - 3/32	3/8 - 1/2
		1/4 - 3/32
		1/4 - 3/8

With over 500 types of components, various circuit configurations are possible.



pressure barrier kit



gas filter



pre-bypass filter



one-touch connector



arterial filter



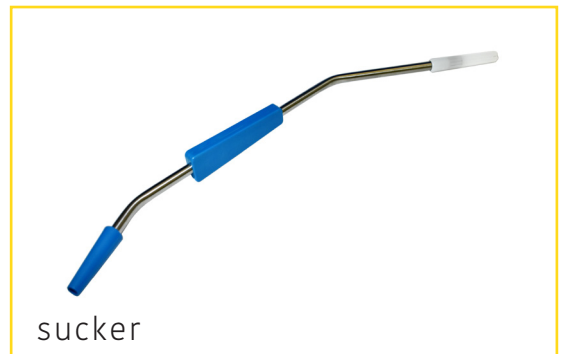
tube organizer



triple flow



drain vent

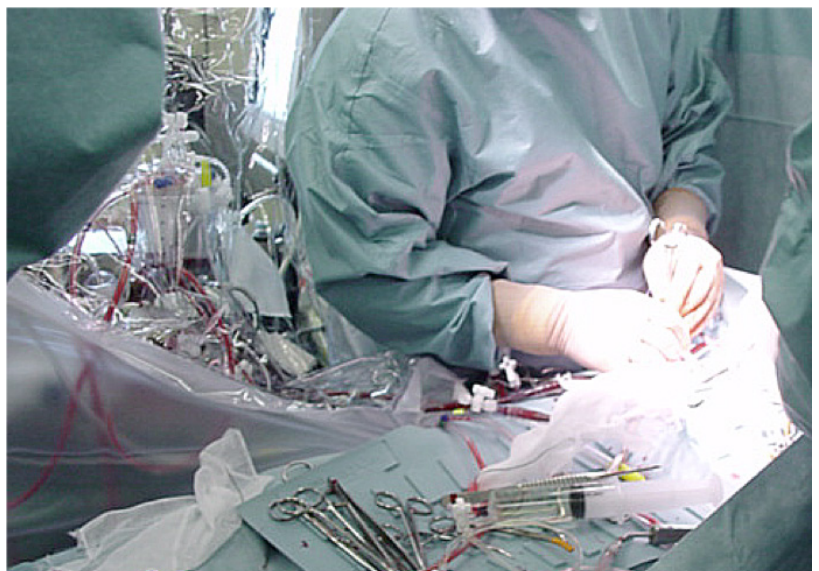
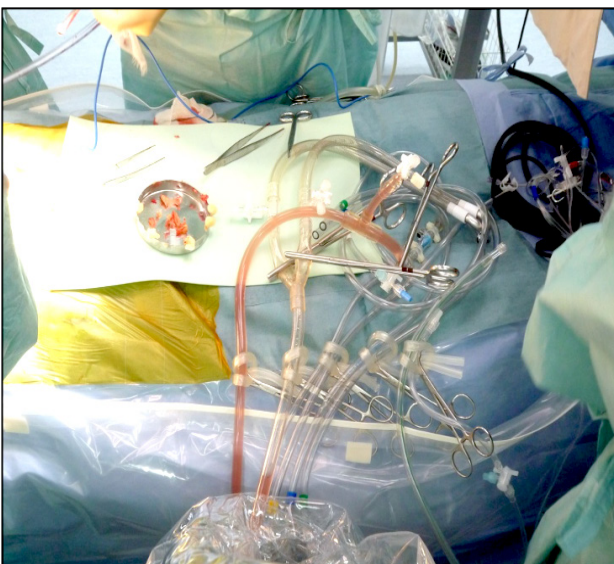
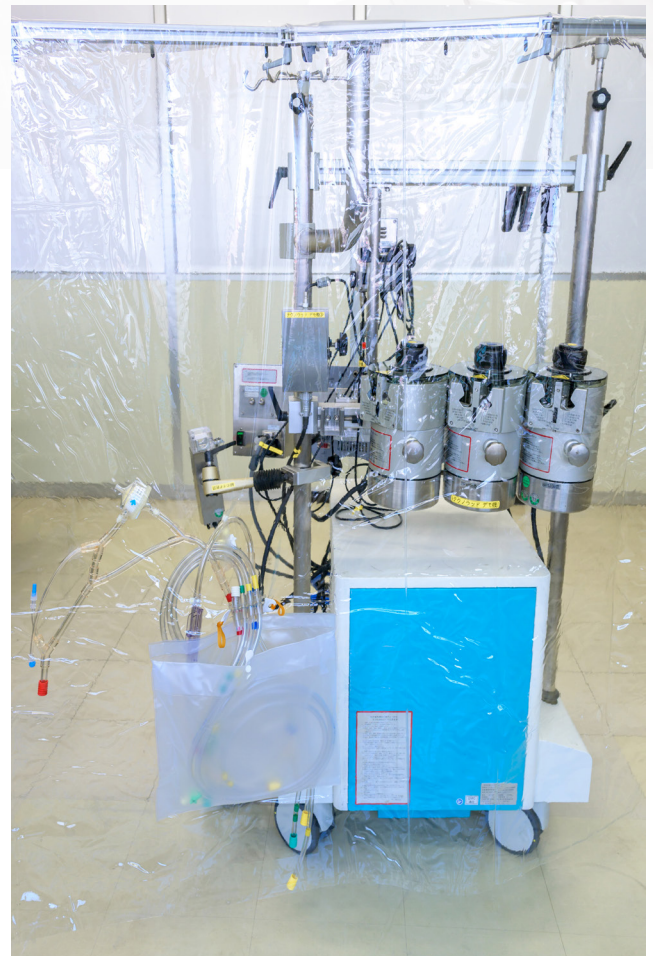


sucker

04 STERILE SHEET

LOW PRIMING VOLUME METHOD

- + By placing a transparent sheet between the surgical field and the heart-lung machine, the oxygenator, reservoir and the pumps can be brought closer to the surgical field without compromising the sterile area.
- + The tubing length can be greatly shortened, and safe extracorporeal circulation can be done with a low priming volume.
- + This low priming volume method has been shown to reduce the need for allogeneic blood transfusion in pediatric patients, even those with weights between 4-7kg.



RELATED PRODUCTS



Disposable Forceps Pocket



CP4000H Heater-Cooler Unit



Compoll Neo Heart-Lung Machine



CP4000Neo
Cardioplegia
Delivery System



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