

Effects of Extracorporeal Membrane Oxygenation on the Coagulation System

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Materials

Name	Company	Catalog Number	Comments
ACT analyzer	Hemochron, USA	Jr Signature	
Anaesthesia machine	Drager, Germany	Primus	
Arterial catheter	Edwards Lifescience, USA	18-Fr	Provide return access into an artery for VA-EMCO
Blood chemistry analyzer	IDEXX Laboratories, USA	Catalyst One	
Blood gas analyzer	Abbott, USA	Abbott i-STAT1	
Centrifugal pump	Jiangsu STMed Technologies, China	STM CP-24 I	
Centrifugal pump drive and console	Jiangsu STMed Technologies, China	OASSIST STM001	
Coagulation test analyzer	Beijing Succeeder Technology, China	SF-8050	
Complete blood count analyzer	Siemens Healthcare, Germany	ADVIA 2120i	
Dual-channel micro-injection pump	Zhejiang Smith Medical Instrument, China	WZS-50F6	
Dual-lumen catheter	MAQUET Avalon Elite, Germany	23-Fr	Provide return and drainage accesses into the right external jugular vein for VV-ECMO
Flurbiprofen	Beijing Tide Pharmaceutical Co., Ltd., China	5ml: 50mg	
GraphPad software	GraphPad Software, USA	GraphPad Prism v9.0	Statistical analysis
Heparin	Shanghai Shangyao No.1 Biochemical Pharmaceutical Co., Ltd., China	2ml: 12500IU	
High-frequency electrosurgical	COVIDIEN, USA	Force F	
Multi-parameter medical monitor	Philips, Netherlands	MP60	
Oxygenator kit	Medos, Germany	Hilite 7000LT	
Oxygenator kit	Maquet, Germany	BE-PLS 2050	
Propofol	Xi'an Libang Pharmaceutical Co. Ltd, China	20ml: 0.2g	

Single-lumen central venous catheter	TuoRen, China	18Fr	Insert in left carotid artery for hemodynamic monitoring and blood sampling.
Small Tail Han sheep	Jinyutongfeng Commercial and Trade Co. Ltd, China	weight: 50-65 kg, age: 12-24 months	
Triple-lumen central venous catheter	TuoRen, China	7Fr	Insert in left jugular vein for intravenous fluid administration, drug injection, and blood sampling.
Ultrasound machine	GE, USA	E9	
Venous catheter	Edwards Lifescience, USA	24-Fr	Provide the drainage access into a vein for VA-ECMO
Ventilator	Drager, Germany	Savina	