## Materials List for: Use of a Piglet Model for the Study of Anesthetic-induced Developmental Neurotoxicity (AIDN): A Translational Neuroscience Approach

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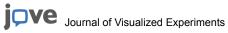
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## **Materials**

Name	Company	Catalog Number	Comments
Liqui-Wean	Milk Specialities	454836	
Piglet Anesthesia Face-Cone Mask	VetEquip	921428	
Masterflex L/S Peristaltic Pump	Cole-Parmer	EW-77916-20	Alternative peristaltic pumps can be used, as long as a constant and sufficient perfusion rate can be achieved
Masterflex L/S Pump Tubing, 25 ft	Cole-Parmer	EW-96410-24	
14 G angiocatheter	Becton-Dickson	381164	
10x PBS	Thermo-Fisher Scientific		
Paraformaldehyde powder	Sigma-Aldrich	P6148-5KG	Our lab makes this reagent from the powder as it is much more cost-effective. Prepared paraformaldehyde can also be purchased.
2-methylbutane	Sigma-Aldrich	M32631-4L	
Needle holder	Teleflex	152720	
Right angle clamp	Teleflex	496217	
Rongeurs	Teleflex	028120	
Tenotomy scissors	Teleflex	423480	
Stitch scissors	Teleflex	423440	
McPherson Tying Forceps	Teleflex	425200	
Adson Tissue Forceps	Teleflex	181223	
3-0 nylon suture	Medline	ETH627H	
Integra SL Anesthesia Workstation	DRE Veterinary	2350	This anesthesia workstation is chosen to best mimic the clinical monitoring experienced by pediatric patients in the operating room. Any anesthesia machine can be used as long as it allows for sufficient physiologic monitoring and intervention.
Laryngoscope handle	Teleflex	8710000	
Miller 1 Laryngoscope blade	Teleflex	2216100	
Bair Hugger	3M	750	



Bair Hugger Torso Blanket	3M	540	
iStat Handheld	Abbott Point of Care	300	Alternative point of care arterial blood gas analysis devices may be used
iStat Cartridges	Abbott Point of Care	CG8+	
Dermabond Advanced Topic Skin Adhesive	Ethicon	DNX6	
LMA Laryngotracheal Atomization Device	Teleflex	MAD720	A cotton-tipped applicator soaked in local anesthetic can also be used
Sheridan CF 3.0 Cuffed Endotracheal Tube	Teleflex	5-10106	This model ETT was selected because it has a Murphy's eye, which is important to prevent ETT occlusion during the experiment
Pediatric Intubation Stylet	Smiths Medical	100/120/100	
24 G angiocatheter	Becton-Dickson	381112	
#10 Disposable Scalpel	Ted Pella, Inc	549-9-10	
Arterial Pressure Monitoring Kit (3 French, 8 cm catheter)	Cook Medical	C-PMSY-300-FA	Simple polyethylene tubing with a luer-lock adapter can also be used
Intramedic PE90 Polyethylene tubing	Fisher Scientific	14-170-12D	
Monoject Blunt Cannula	VWR International	15141-144	