

Materials List for Intraduodenal Cannulation in a Rat Model for Immunopathology Studies

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URL: <https://www.jove.com/video/21760>

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Materials

Name	Company	Catalog Number	Comments
Sterile saline	Baxter healthcare	AHB 1307	Any brand can be used. Example here is Baxter 100 ml saline bags, box of 50
70 % ethanol in water	Any		Any brand can be used
Chlorhexidine gluconate solution (Microshield 4)	Livingstone International	JJ60243L	Any brand can be used. http://www.livingstone.com.au/?PG=search_result&CAT=6&search
Betadine solution	Livingstone International	BU0510	Any brand can be used. http://www.livingstone.com.au/?PG=search_result&CAT=6&search
Ilium Ketamil (Ketamine 100 mg/ml)	PROVET VICTORIA	KETA I 1	http://www.provet.com.au/
Ilium Xylazil (Xylazine 100 mg/ml)	PROVET VICTORIA	TRO-3828	http://www.provet.com.au/
ACP 10 Injection (Acepromazine 10 mg/ml)	PROVET VICTORIA	VTG-DACP010020	http://www.provet.com.au/
Heparin (35000I.U. in 35 mL)	Sigma Pharmaceuticals	337220	http://sigmaco.com.au/
Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate	Sigma-Aldrich	E1644	Any brand can be used. Example here is disodium salt of EDTA from Sigma.
Polyethylene (PE) cannula o.d. 0.96 mm x i.d. 0.58 mm	Microtube extensions	PE8050	Any brand can be used. Example here is PE tubing 0.8x0.5 mm, 30 m
Polyethylene (PE) cannula o.d. 0.8 mm x i.d. 0.5 mm	Microtube extensions	PE9658	Any brand can be used. Example here is PE tubing 0.96x0.58 mm, 30 m
Ruler	Any		Any brand can be used
Markers	Any		Any brand can be used
Cigarette lighter	Any		Any brand can be used
Cyanoacrylate glue	Any		Any brand can be used
23 gauge needles	Livingstone International	DN23GX0.75LV	Any brand can be used. Example here is Livingstone Disposable Needle, Sterile, 23GX0.75inch, 100/BOX. http://www.livingstone.com.au/?PG=search_result&CAT=6&search=DN23GX0.75LV
25 gauge needles	Livingstone International	DN25GX1.0LV	Any brand can be used. Example here is Livingstone Disposable Needle, Sterile, 25GX1.0inch, 100/BOX. http://www.livingstone.com.au/?PG=search_result&CAT=6&search=DN25GX1.0LV
1 ml syringe	Livingstone International	T3SS01TA	Any brand can be used. Example here is Terumo syringe 1 ml Slip Tuberculin 100/Box. http://

			www.livingstone.com.au/?PG=search_result&CAT=6&search=T3SS01TA
10 ml syringe	Livingstone International	T3SS10SA	Any brand can be used. Example here is Terumo syringe 10 ml Slip 100/Box. http://www.livingstone.com.au/?PG=search_result&CAT=6&search=T3SS10SA
Gauze swabs	Livingstone International	GSC075	Any brand can be used and cut to required size. Example here is gauze swabs cotton filled 7.5x7.5 cm, 8 ply. http://www.livingstone.com.au/?PG=search_result&CAT=6&search=GSC075
Heating pad	Ratek	WT1	Any brand that keeps temperature at 37C can be used. Example here is Ratek warming tray.
Surgical light	Harvard Apparatus	72-0215 with 72-0267	Any brand can be used. Example here is Harvard apparatus V-Lux 1000 Cold Light Source with Bifurcated Gooseneck Light Guide, Black, 4.7 mm fiber diameter (each arm). http://www.harvardapparatus.com/webapp/wcs/stores/servlet/product_11051_10001_50601_
Surgical microscope	Zeiss	495005-0014-000	Any brand can be used. Example here is Zeiss Stereomicroscope Stemi 2000-C with Stand S Double Spot and KL 300 LED. https://www.micro-shop.zeiss.com/?l=en&p=us&f=e&i=10143
Silk suture	Livingstone International	DTSK163019F4	Any brand can be used. Example here is * Email this item to my friend 3/8 Circle Reverse Cut Silk Suture 3/0 Thread 19mm. http://www.livingstone.com.au/?PG=search_result&CAT=6&search=DTSK163019F4
Scalpel blades	Fine Science Tools (FST)	10020-00	Any brand can be used. Example here is FST Scalpel Blade #20. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=191
Scalpel handle	Fine Science Tools (FST)	10004-13	Any brand can be used. Example here is FST Scalpel Handle #4. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=298&CategoryId=51
1 x Small surgical scissors	Fine Science Tools (FST)	14060-09	Any brand can be used. Example here is FST Fine Scissors, 9 cm with 21 mm cutting edge, sharp, straight. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=40&CategoryId=17
2 x Forceps with serrated curved tip	Fine Science Tools (FST)	11001-13	Any brand can be used. Example here is FST 13 cm standard pattern forceps with curved 2.8x1.4 mm tip. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=405&CategoryId=32

2 x Hemostats	Fine Science Tools (FST)	13010-12	Any brand can be used. Not all operators use the hemostats. Example here is FST 12 cm Micro-Mosquito Hemostats with 20 mm length x 1.3 mm width serrated, straight tip. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=377&CategoryId=33
1 x Suture needle holder	Fine Science Tools (FST)	12001-13	Any brand can be used. Example here is FST 13cm Hasley Needle Holder with 16 mm length x 1.9 mm width tip. http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=254&CategoryId=70