

Materials List for

Methods for Studying Uterine Contributions to Pregnancy Establishment in an Ovariectomized Mouse Model

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Materials

Name	Company	Catalog Number	Comments
ALZET 1002 mini osmotic pumps	BioScientific	1002	Delivers 0.25 μ L/h for 14 days. Use for section 7 (Experimental procedure - Embryo transfer).
ALZET 1003D mini osmotic pumps	BioScientific	1003D	Delivers 1 μ L/h for 14 days. Use for section 8 (Experimental procedure - Artificial decidualization).
ALZET Reflex 7 mm clips	BioScientific	0009971	Either Reflex clips or Michel clips can be used for wound closure, depending on preference
ALZET Reflex clip applicator	BioScientific	0009974	Either Reflex clips or Michel clips can be used for wound closure, depending on preference
ALZET Reflex clip remover	BioScientific	0009976	Either Reflex clips or Michel clips can be used for wound closure, depending on preference
Bupivacaine injection	Pfizer	NA	Stock 0.5%. Use at 0.05% in saline
Estradiol	Sigma	E8875	
Meloxicam	Ilium	NA	Active constituent 0.5 mg/mL. Use 3.5 mL per 400 mL cage water bottle, or as your institution's vet prescribes.
Michel clips	Daniels	NS-000242	
Multi purpose sealant	Dow Corning	732	
Non-surgical embryo transfer (NSET) device	ParaTechs	60010	Contains 6 mm speculum. Single use only.
Progesterone	Sigma	P0130	Soluble in ethanol. Use for section 3 (Hormone preparation - subcutaneous injection) and section 4 (Hormone preparation - slow-release pellets)
Progesterone	Sigma	P7556	Soluble in water. Use for section 5 (Hormone preparation - osmotic mini pumps)

Refresh eye ointment	Allergan	NA	42.5% w/v liquid paraffin, 57.3% w/v soft white paraffin
Rimadyl Carprofen	Zoetis	NA	Stock 50 mg/mL. Use at 1 mg/ml (for 5 mg/kg dose)
Rubber tubing	Dow Corning	508-008	Washed in 100% ethanol and cut into 1 cm pieces. Inside diameter 1.57 mm \pm 0.23 mm; outside diameter 3.18 mm \pm 0.23 mm; wall 0.81 mm.
Sesame oil	Sigma	S3547	
Sofsilk Silk sutures size 3-0	Covidien	GS-832	