

Materials List for:

Formation of Human Prostate Epithelium Using Tissue Recombination of Rodent Urogenital Sinus Mesenchyme and Human Stem Cells

Yi Cai¹, Steven Kregel², Donald J. Vander Griend^{1,2}

¹Department of Surgery, Section of Urology, University of Chicago

²Committee on Cancer Biology, University of Chicago

Correspondence to: Donald J. Vander Griend at djvander@uchicago.edu

URL: <https://www.jove.com/video/50327>

DOI: [doi:10.3791/50327](https://doi.org/10.3791/50327)

Materials

Name	Company	Catalog Number	Comments
Hank's Balanced Salt Solution (HBSS)	GIBCO	14170	
DMEM/F12	GIBCO	11330	
R1881	Sigma	965-93-5	Mix to 1 ug/ml in Ethanol (1,000x stock)
NEAA	GIBCO	11140	
Pen-Strep Solution	GIBCO	15070	100x stock
Matrigel	BD Biosciences	354230	
KETASET (ketamine hydrochloride)	Fort Dodge Animal Health	NDC 0856-2013-01	100 mg/ml; dilute 1:10 in sterile saline
AnaSed (xylazine)	VET-A-MIX, Inc.	NADA 139-236	20 mg/ml; dilute 1:10 in sterile saline
Trypsin	BD Biosciences	215240	
Collagenase	Sigma	C2014	
Ketoprofen	Fort Dodge	NDC 0856-4396-01	100 mg/ml; dilute 1:1,000 in sterile saline
Altalube eye ointment	Altaire Pharmaceuticals, Inc.	NLC 56641-19850	
Leica MZ16 F Stereomicroscope	Leica		Any good dissecting scope can be used.
Vannas spring scissors	Fine Science Tools	15001-08	
Syringe	Hamilton	84855	
Hamilton Needle, Small RN, 28 gauge, 0.5inches, Point Style #3 (Blunt)	Hamilton	7803-02	Custom Needle
Ethanol Prep Pads	Fisher Scientific	06-669-62	
Sterile Gauze Pads	Fisher Scientific	22-415-469	
Ethicon Vicryl Suture (4-0 FS-2)	MedVet International	J392H	Needle-in, dissolvable suture
Autoclip 9 mm Wound Clips	Becton Dickenson	427631	
PVP Iodine Prep Pads	Fisher Scientific	06-669-98	
Dissector scissor with blunt end	Fine Science Tools	14072-10	
Dumont fine tip forceps	Fine Science Tools	11252-50	
Needle holder with Scissor	Fine Science Tools	12002-14	