

Materials List for:

Using the Chicken Chorioallantoic Membrane In Vivo Model to Study Gynecological and Urological Cancers

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Materials

Name	Company	Catalog Number	Comments
-010 Teflon (PTFE) White 55 Duro Shore D O-Rings	The O-Ring Store	TEF010	Nonstick ring for cell seeding. 1/4"ID X 3/8"OD X 1/16"CS Polytetrafluoroethylene (PTFE).
C4-2	ATCC	CRL-3314	Human prostate cancer cell line.
CWR22Rv1			CWR cells were the kind gift of Dr. David Agus (Keck Medicine of University of Southern California)
Cytokeratin 8/18 Antibody (C-51)	Novus Biologicals	NBP2-44929-0.02mg	Used at a dilution of 1:100 for immunohistochemical analysis of human ovarian CAM tumors.
D-Luciferin Firefly, potassium salt	Goldbio	LUCK-1G	
Delicate Operating Scissors; Curved; Sharp-Sharp; 30mm Blade Length; 4-3/4 in. Overall Length	Roboz Surgical	RS6703	This is provided as an example. Any similar curved scissors would work as well.
Dremel 8050-N/18 Micro 8V Max Tool Kit	Dremel	8050-N/18	This kit contains all necessary tools.
Fertilized chicken eggs (Rhode Island Red - Brown, Lab Grade)	AA Lab Eggs Inc.	N/A	A local egg supplier would need to be identified, as this supplier only delivers regionally.
HT-1376	ATCC	CRL-1472	Human bladder cancer cell line.
Hovabator Genesis 1588 Deluxe Egg Incubator Combo Kit	Incubator Warehouse	HB1588D-NONE-1102-1588-1357	Other egg incubators may be used, but their reliability would need to be verified. After implantation, a cell incubator with the CO2 disabled may also be used.
ID8			Not commercially available, please see PMID: 10753190.
Incu-Bright Cool Light Egg Candler	Incubator Warehouse	1102	Other candlers may be used; however, this is preferred among those that we have tested. This candler is included in the aforementioned incubator kit.
Iris Forceps, 10cm, Curved, Serrated, 0.8mm tips	World Precision Instrument	15915	This is provided as an example. Any similar curved forceps would work as well. Multiple brands have been used for this method.
Isoflurane	Clipper Distributing	0010250	
IVIS Lumina II In Vivo Imaging System	Perkin Elmer		
Matrigel Membrane Matrix HC; LDEV-Free	Corning	354248	Extracellular matrix solution
MyC-CaP	ATCC	CRL-3255	Murine prostate cancer cell line.

Portable Pipet-Aid XP Pipette Controller	Drummond Scientific	4-000-101	Any similar pipet controller would be appropriate.
PrecisionGlide Hypodermic Needles	BD	305196	This is provided as an example. Any 18G needle would work similarly.
RENCA	ATCC	CRL-2947	
Semken Forceps	Fine Science Tools	11008-13	This is provided as an example. Any similar forceps or another style that suits researcher preference would be appropriate.
SKOV3	ATCC	HTB-77	Human ovarian cancer cell line.
Specimen forceps	Electron Microscopy Sciences	72914	This is provided as an example. The forceps used for pulling away the shell for bioluminescence imaging are approximately 12.8 cm long with 3 mm-wide tips.
Sterile Cotton Balls	Fisherbrand	22-456-885	This is provided as an example. Any sterile cotton balls would suffice.
Stirring Rods with Rubber Policeman; 5mm diameter, 6 in. length	United Scientific Supplies	GRPL06	This is provided as an example. Any similar glass stir rods would work as well.
T24	ATCC	HTB-4	Human bladder cancer cell line.
Tegaderm Transparent Dressing Original Frame Style 2 3/8" x 2 3/4"	Moore Medical	21272	
Tissue Culture Dishes, 10 cm diameter	Corning	353803	This is provided as an example. Any similar, sterile 10-cm dish may be used. Tissue culture treatment is not necessary.
Tygon Clear Laboratory Tubing - 1/4 x 3/8 x 1/16 wall (50 feet)	Tygon	AACUN017	This is provided as an example. Any similarly sized tubing would work as well.