

Materials List for:

Chick ex ovo Culture and ex ovo CAM Assay: How it Really Works

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Materials

Name	Type	Company	Catalog Number	Comments
Fertilized Eggs	Animal	Sorries-Trockels Vermehrungszucht GmbH		
Mice	Animal	Charles River Laboratories		
Incubator Type 3000 with rotating egg tray	Tools	Siemens AG	9503	Maintain at 37°C with relative humidity set above 60%
Egg incubator BSS 160	Tools	Grumbach, Germany	8101	Maintain at 37-38°C with relative humidity set above 60%
PBS	Reagent	Sigma-Aldrich		PBS should be cold (> 4°C) and sterile
Dulbecco's modified eagle's medium	Reagent	Sigma-Aldrich	D 6429	DMEM culture medium
Leibovitz's L-15 Medium	Reagent	Invitrogen	31415-029	here: collection medium for tumor samples
Tumor cell -specific medium	Reagent	Sigma-Aldrich		each research group should use the medium they culture their tumors cells in or common culture media, e.g. Leibovitz's Medium or Dulbecco's modified eagle's medium supplemented with 15% fetal bovine serum (FBS), 4mM L-glutamine and 50 µM insulin
70% EtOH	Reagent	Sigma-Aldrich		
Magnetic stir bar, triangled 80 mm	Tool	VWR international	442-0391	A triangled magnetic stir bar serves well to crack the eggs shell.
Forceps DUMONT #5	Tool	Fine Science Tools	11252-30	bevelled very fine shanks (0.05 mm x 0.02 mm tip)
Forceps DUMONT #7	Tool	Fine Science Tools	11271-30	curved shanks (0.07 mm x 0.10 mm tip)
Spring scissors, straight, 8cm	Tool	Fine Science Tools	15000-00	fine, small straight blades
Fine Iris scissors, straight	Tool	Fine Science Tools	14094-11	Use to cut our the CAM
Standard scissors, straight, sharp/blunt	Tool	Fine Science Tools	14007-14	Use for decapitation or cervical dislocation
microliter syringe 1702 TLLX, 25 µl	Tool	Hamilton Co	80222	Use for injection into the vitreous

Hamilton 33-G needle (15 mm)	Tool	Fine Science Tools	18073-15	Use for injection into the vitreous
Sterile scalpels	Tool			Use for dissecting tumor samples
Small drain spoon	Tool	Geuder	15758	Use to transfer of small chick embryos
Wax board with fixing pins	Tool	Home made		Use to fix of animals for dissection
Petri dishes 60 x 15 mm	Tool	Greiner Bio-One	628102	
Petri dishes 92 x 16 mm	Tool	Sarstedt Ltd	82.1472	
Sterile Petri dish 100 x 20 mm	Tool	Greiner Bio-One	664160	extra deep, with spacers for ventilation
Beaker	Tool			300-600 ml
FALCON tubes	Tool	Falcon BD		15 ml and 50 ml
Eppendorf tubes	Tool	Eppendorf		1.5 ml and 2 ml
1ml pipette tips	Tool			Use to cut plastic rings for application of substances / cells
Peripheral venous catheter (PVL)	Tool	Viggo®		Use to cut silicon rings from the tube for application of substances / cells
Pipettes and tips	Tool	Eppendorf		
Autoclaved folded Filters 595 1/2, 110 mm diameter	Tool	Schleicher Schuell	311643	Carrier, which caused least irritation of the CAM; used in the paper
PTFE-Pledget, non resorbing, 6,3 x 152.4 x 1.6 mm	Tool	santec-medical	REF 277, LOT 832/511-1	Carrier; caused false positive results
Hydroxyethylcellulose Tylose H 100000	Reagent			Carrier mixed with Kollidon 17 PF; caused false positive results
Kollidon 17 PF	Reagent	BASF	S30200	mixed with Hydroxyethylcellulose; caused false positive results
Collagen Biomatrix TissuDura	Tool	Baxter Internationl Inc.	REF B2246000999999	Carrier; caused false positive results
Round glass cover slips, 11 mm	Tool	Assistent Germany	1001/0011	Carrier; causes false positive results
Bovine Collagen Sponge	Tool	Wyeth Animal Health		Carrier; caused false positive results
Resodont Absorbable Collagen Membrane	Tool	Resorba Woundcare Germany	LOT 280303	Carrier; caused false positive results
Non-Woven Swabs	Tool	Fink Walter GmbH	REF 328132	Carrier; caused false positive results