

Materials List for:

Processing Embryo, Eggshell, and Fungal Culture for Scanning Electron Microscopy

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Materials

Name	Company	Catalog Number	Comments
Agar	Fischer Scientific	S25127A	for slide cultures
Aluminum pin stub	Tedpella	16111	12.7 mm x 8 mm
BD Difco Dehydrated Culture Media: Potato Dextrose Agar	BD 213400	DF0013-17-6	Media for isolation and cultivation of Fungi, yeast and molds
Chloramphenicol	Fischer BioReagents	BP904-100	Antibiotic for media
Coarse Vermiculite	Greenhouse Megastore	SO-VER-12	bedding medium
Clear 12- well plate	Corning	07-201-589	for fixing embryo
Coverslips	Fischer Scientific	S17525B	for slide culture
Critical Point Dryer	Quorum CPD	EMS850	critical point drying
Culture dishes	Fischer Scientific	08 747B	DISH PETRI 100X10MM 12/PK
Ethanol	Fischer Scientific	A406P 4	dehydration agent
Forceps- Aquarius Tweezers	Tedpella	5804	style 4, length 108mm, width x thickness 0.017 x 0.17 mm
Glutaraldehyde	Fischer Scientific	G151-1	fixative
Gold target for sputter coater	DENTON VACUUM	TAR001-0158	Gold Target, 2.375" D X .002"
Hexamethyldisilazana	Fischer Scientific	C19479-5000	chemical drying agent
Kim wipes	Kimtech	S-8115	cleaning
Microscope slides	Thermo Scientific	67-762-16	for slide culture
Microscopy Scissors	Tedpella	1327	Double pointed, stainless steel, 100 mm L (3-5/8").
Micro-scissors	Tedpella	1346	Vannas-type, straight, 80mm L
Moria Perforated Embryo Spoon	Fine Science Tools	10370-17	Length 14.5 cm, tip diameter 20 mm, spoon depth 5 mm
Netwell Inserts	Corning	0330B09	15 mm Inserts with 74 µm Mesh Size Polyester Membrane act as handy carriers during specimen processing into different solvents
Paraformaldehyde	Fischer Scientific	T353 500	fixative
Peat moss	Walmart- Miracle Gro	551705263	bedding medium
PELCO tabs double stick carbon conductive tape	Tedpella	5000	12 mm OD
Sputter coater	DENTON VACUUM	DESK V	thin metal coating
SEM	JEOL USA	JEOL JSM 6610LV scanning electron scope	electron microscopy