

Materials List for

Whole Ovary Immunofluorescence, Clearing, and Multiphoton Microscopy for Quantitative 3D Analysis of the Developing Ovarian Reserve in Mouse

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Citation

Boateng, R., Boechat, N., Henrich, P.P., Bolcun-Filas, E. Whole Ovary Immunofluorescence, Clearing, and Multiphoton Microscopy for Quantitative 3D Analysis of the Developing Ovarian Reserve in Mouse. *J. Vis. Exp.* (175), e62972, doi:10.3791/62972 (2021).

Date Published

September 3, 2021

DOI

10.3791/62972

URL

jove.com/video/62972

Materials

Name	Company	Catalog Number	Comments
Benchtop Incubator	Benchmark Scientific	H2200-H	37 °C incubator
Bovine Serum Albumin (BSA)	VWR	97061-416	
C57BL/6J	The Jackson Laboratory	000664	mouse inbred strain
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D1435	Hazardous material
D-Sorbitol	Sigma-Aldrich	S6021	
Dumont #5 Forceps	FST	91150-20	
FastWells Reagent Barriers	GraceBio	664113	Sticky and flexible silicone gasket (adhesive well)
Fine Scissors	FST	91460-11	
Glycerol	Sigma-Aldrich	G2025	
Glycine	ThermoFisher Scientific	BP381-500	
Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 647	Invitrogen	A-21246	Dilution 1:1000
Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 555	Invitrogen	A-21434	Dilution 1:1000
Goat serum	Sigma-Aldrich	G9023	
IMARIS Software	Oxford Instruments	Version 9.7.0	Image visualization and analysis software
Insight X3	Spectra-Physics	InSight X3 Tunable Ultrafast Laser	Laser for Multiphoton Imaging
LASX software	Leica	Version 3.5.6	Image acquisition software
Leica DIVE/4TUNE/FALCON	Leica	Leica Dmi8, 2P-M-ready: # 158005406	Multiphoton Microscope
MaiTai HP	Spectra-Physics	Mai Tai DeepSee One Box Ultrafast Laser	Laser for Multiphoton Imaging
Masterflex Pump Controller	SPW Industrial	Model: 7553-50	Peristaltic pump for perfusion

Mayo Scissors	FST	14010-17	5" –7" blunt/blunt scissors for decapitation
Micro Cover Glasses, Square, No. 1.5 25x25mm	VWR	48366-249	
Mini BioMixer	Benchmark Scientific	B3D1020	shaker/nutator for 37 °C incubator
Nikon Ergonomic SMZ1270	Leica	SMZ1270	stereomicroscope
Paraformaldehyde 16% (formaldehyde aqueous solution)	Electron Microscopy Sciences	15710	Hazardous material
PBS Tablets, Phosphate-buffered Saline	ThermoFisher Scientific	BP2944100	Dissolve in Milli-Q water
Penicillin-Streptomycin, 200x, Dual Antibiotic Solution	ThermoFisher Scientific	ICN1670249	
Polyvinyl alcohol (PVA)	Sigma-Aldrich	P8136	
Quadrol (N,N,N',N'-Tetrakis(2-Hydroxypropylethylenediamine)	Sigma-Aldrich	122262	
Rabbit anti-DDX4/MVH	Abcam	ab27591	Dilution 1:500
Rabbit anti-LINE-1 ORF1p	Abcam	ab216324	Dilution 1:500
Rat anti-TRA98/GCNA	Abcam	ab82527	Dilution 1:500
Sodium azide	Sigma-Aldrich	S2002	Hazardous material
Sodium borohydride	Sigma-Aldrich	452882	Hazardous material
Sucrose	ThermoFisher Scientific	S0389	
Tekmar Orbital Shaker	Bimedis	VXR-S10	shaker for room temperature
Triethanolamine	Sigma-Aldrich	90279	
Triton X-100	Sigma-Aldrich	X100	
UNOLOK Infusion Set	MYCO Medical	7001-23	needles for perfusion
Urea	Amresco	97061-920	
X-Cite 120LED	Excelitas	S/N XT640-W-0147	low-power LED fluorescence lamp