

Materials List for:

Culture and Co-Culture of Mouse Ovaries and Ovarian Follicles

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URL: <https://www.jove.com/video/52458>

DOI: [doi:10.3791/52458](https://doi.org/10.3791/52458)

Materials

Name	Company	Catalog Number	Comments
Leibowitz L15	Invitrogen	11415049	
αMEM	Invitrogen	22571020	Supplied as sodium bicarbonate buffered (2,200 mg/L)
Bovine serum albumin	Sigma Aldrich	A9418	For dissection medium
Bovine serum albumin	Sigma Aldrich	A3311	For culture medium
Bovine serum albumin	Sigma Aldrich	A2153	For coating glass pipettes
Mouse serum	-	-	Collected from cardiac puncture
FSH	Merck Serono	Gonal F	Batch testing is often necessary. Make up stock solution of 1IU/10μl in αMEM and store at -20 °C.
Ascorbic acid	Sigma Aldrich	A4034	Make up stock of 5mg/ml in αMEM and store at -20 °C.
Silicon oil	VWR	630064V	Dow Corning Silicone Fluid 200/50cS
Syringe filters (25 mm, 0.2 μm)	Greiner	16532K	Cellulose acetate filter for filtering larger (>5 ml) volumes of medium.
Syringe filters (13 mm, 0.2 μm)	Iwaki	3032-013	Cellulose acetate filter for filtering smaller (<5 ml) volumes of medium
Syringe filters (25 mm, 0.45 μm)	Iwaki	2053-025	Cellulose acetate filter for filtering oil.
Sterile tubes	Greiner	187261	
24-well plate	Greiner	662160	
96-well round bottom plate	Iwaki	3875-096	Use only non-tissue culture treated plates
96-well flat bottomed well	Iwaki	3860-096	Use only non-tissue culture treated plates
Whatman nucleopore membranes	Camlab	WN/110414	Use shiny surface up, polycarbonate, 13 mm diameter, 8.0 μm pore size
Insulin needles	BD medical supplies	037-7606	0.33 mm (29 G) + 1 ml
Glass embryo dishes	VWR	720-0579	Sterilize, then warm before use.
Glass pipettes	Fisher Scientific	10209381	BSA coated before use.
Gel tips	AlphaLabs	LW1103	
Acupuncture needles	Acumed LTD	30 mm x 0.25 Type C	
Bouin's fixative	Sigma Aldrich	HT10132-1L	
Formalin solution, neutral buffered, 10%	Sigma Aldrich	HT5014-120ml	
1.5 ml polypropylene tubes	Greiner BioOne	616201	