

## Materials List for:

## In Vitro Growth of Mouse Preantral Follicles Under Simulated Microgravity

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## **Materials**

Name	Company	Catalog Number	Comments
ICR mice	SLRC Laoratory		14-day-old female mice
L-15 medium	Sigma	L1518	With L-glutamine, liquid, sterile- filtered, suitable for cell culture
fetal bovine serum	Gibco	10100147	Origin: Australia
Penicillin V potassium	Sigma	1504503	United States Pharmacopeia (USP) Reference Standard (USP)
Streptomycin sesquisulfate hydrate	Sigma	46754	Analytical standard
Universal Click Pen Needles	Penfine		12×1/2" 0.33×12 mm
Alginate	Sigma	W201502	
alpha-minimal essential medium	Sigma	M0894	Alpha Modification, with L- glutamine, without ribonucleosides, deoxyribonucleosides and sodium bicarbonate, powder, suitable for cell culture
Insulin-selenium-transferrin	Invitrogen	51500056	Liquid, sterile-filtered, BioReagent, suitable for cell culture
GONAL-F	Merck Serono		Recombinant follitropin alfa for injection
Disposable high-aspect-ratio rotating vessel	Synthecon		10 mL
Culture oil	Vitrolife		Sterile light paraffin oil
Alginate Lyase	Sigma	A1603	powder,>10,000 units/g solid
26 1/2-guage needle	Becton Dickinson		
35×10mm dish	Becton Dickinson		
Viability/Cytotoxicity assay Kit	Invitrogen	L3224	
Bouin's solution	Sigma	HT10132	
Horseradish peroxidase (HRP)- conjugated goat anti-rabbit IgG (H +L)	Jackson Immuno-Research Laboratories	111-035-003	
3,3N-Diaminobenzidine Tertrahydrochloride	Beyotime	P0203	
Aqueous mounting medium	Dako	C0563	
Rabbit anti-GDF-9 antibody	Beijing Biosynthesis Biotechnology	BS-175R	
Rabbit anti-PCNA antibody	Proteintech	24036-1-AP	

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Methylene blue	Sigma	M9140	
Transmission electron microscope	Hitachi	H-7500	