

Materials List for:

A Method for Ovarian Follicle Encapsulation and Culture in a Proteolytically Degradable 3 Dimensional System

Ariella Shikanov¹, Min Xu², Teresa K. Woodruff^{2,3,4}, Lonnie D. Shea^{1,4,5}

¹Institute for BioNanotechnology in Advanced Medicine, Northwestern University

²Department of Obstetrics and Gynecology, Northwestern University, Feinberg School of Medicine

³Center for Reproductive Research, Northwestern University

⁴The Robert H. Lurie Comprehensive Cancer Center, Northwestern University

⁵Department of Chemical and Biological Engineering, Northwestern University

Correspondence to: Lonnie D. Shea at l-shea@northwestern.edu

URL: <https://www.jove.com/video/2695>

DOI: [doi:10.3791/2695](https://doi.org/10.3791/2695)

Materials

Name	Company	Catalog Number	Comments
Fetuin	Sigma-Aldrich	F3385	
FBS	Invitrogen	10082-139	
Aprotinin	Roche Group	10236624001	
CaCl ₂	Wako Pure Chemical Industries, Ltd.	039-00475	40 mM
EGF	Sigma-Aldrich	A412	
rFSH	National Institute of Diabetes and Digestive and Kidney Diseases		
hCG	Sigma-Aldrich	CG-5	
Hyaluronidase	Sigma-Aldrich	A1603	
ITS	Sigma-Aldrich	I1884-1VL	
L-15	GIBCO, by Life Technologies	11415	
αMEM+Gluta MAX	GIBCO, by Life Technologies	32561	
Pen-Strep	Cellgro	30-002-CI	
TBS	Pierce, Thermo Scientific	28379	
Tisseel Fibrin kit	Baxter International Inc.	921030	
Sodium Alginate	FMC BioPolymers	LF200DL	Mw 418kDa