

Materials List for:

A Neural Network-Based Identification of Developmentally Competent or Incompetent Mouse Fully-Grown Oocytes

Federica Cavaler¹, Mario Zanon¹, Valeria Merico¹, Thi Thu Hien Bui^{1,2}, Martina Belli^{1,3}, Lorenzo Fassina⁴, Silvia Garagna¹, Maurizio Zuccotti¹

¹Laboratorio di Biologia dello Sviluppo, Dipartimento di Biologia e Biotechnologie "Lazzaro Spallanzani", University of Pavia

²Institute of Biotechnology, University of Helsinki

³Department of Reproductive Medicine, University of California San Diego

⁴Dipartimento di Ingegneria Industriale e dell'Informazione, University of Pavia

Correspondence to: Maurizio Zuccotti at maurizio.zuccotti@unipv.it

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Materials

Name	Company	Catalog Number	Comments
Folligon	Intervet	A201A02	Hormonal treatment
Hoechst 33342	Sigma-Aldrich	B2261	For oocyte heterochromatin staining
Cell culture Petri-dish 35 mm x 10 mm	Corning	430165	For COCs isolation
EmbryoMax M2 Medium (1X), Liquid, with phenol red	Merck-Millipore	MR-015-D	For COCs isolation
MEM Alpha medium (1X) + Glutamax	Sigma-Aldrich	M4526	For oocyte in vitro maturation
Cell culture Petri-dish 35 mm glass-bottom	WillCo	GWSt-3522	For imaging experiments
BioStation IM-LM	Nikon	MFA91001	Live cell screening system
Pasteur pipette	Delchimica Scientific Glassware	6709230	For follicles manipulation
Mineral oil	Sigma-Aldrich	M8410	To prevent contamination and medium evaporation
Penicillin / Streptomycin	Life Technologies	15070063	To prevent medium contamination
Fetal Bovine Serum (FBS)	Sigma-Aldrich	ML16141079	For making up α MEM medium
L-Glutamine	Life Technologies	25030	For making up α MEM medium
Taurine	Sigma-Aldrich	T0625	For making up α MEM medium
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A3310	For making up α MEM media
Sodium pyruvate	Sigma-Aldrich	P4562	For making up α MEM media
Zoletil (Tiletamina and Zolazepan cloridrate)	Virbac Srl	QN01AX9	For mice anesthesia
Cell_PIV software	Kindly provided by Dr. Shane Windsor, University of Bristol, UK	-	-
MATLAB	The MathWorks, Natick, MA	-	For multi-paradigm numerical computing