

Ovarian Tissue Oocyte-*In Vitro* Maturation for Fertility Preservation

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Materials

Name	Company	Catalog Number	Comments
1000 µL filter tips	Eppendorf/VWR International	613-6780	COC search
Benchtop Cooler	Fisher Scientific	15-350-54	Benchtop Cooler lid is used to prepare the tissue, Benchtop Cooler tube holder to keep cryovials with freezing medium cooled
Corning Cell culture dish, non-treated, 100 mm	Corning/VWR International	430591	Dish for ovarian tissue preparation
CryoSure-DMSO	WAK Chemicals	0482	Cryoprotectant for ovarian tissue cryopreservation
Cumulase	Origio/CooperSurgical	16125000A	recombinant human hyaluronidase enzyme for cumulus cell removal after IVM
Decontamination spray: Suprox	Medipure LTD	MP016	Desinfectant solution for aseptic handling with bactericide and sporicide action
Disposable scalpels	Swann-Morton	0511	Ovarian tissue preparation
Falcon 14 mL Round Bottom Polystyrene Test Tube, with Snap Cap, Sterile	Falcon/VWR International	BDAA352057	Medium container
Falcon Cell strainer 70 µm	Falcon/VWR International	352350	Filter for elimination of red blood cell contamination and COC search
Freeze control Ampoule Cryochamber and Temperature Controller	Cryologic	CL-8800i CC60AS	Slow freezing machine
FSH: Menopur 75 IU	Ferring	BE197504	Follicle Stimulating Hormone : Supplement for IVM medium
Handling pipette 290-310 µm	Vitrolife	15538	COC search: gentle transfer of COC without damaging oocyte-cumulus cell connectivity
hCG: Brevactid 5000 IE	Ferring	5008001036	Human Chorionic Gonadotropin : Supplement for IVM medium
High security tube	CryoBioSystem	022252	cryovial, heat-sealed for safe cryostorage

HSA-solution	Vitrolife	10064	Human serum Albumin: supplement for IVM medium
Leibovitz's L-15 medium	Life Technologies Europe	31415-029	Handling medium for ovarian tissue preparation
MediCult IVM system	Origio/CooperSurgical	82214010	medium for IVM containing both LAG and IVM medium. IVM medium needs to be supplemented as detailed in the protocol
METZENBAUM fino scissors 140 mm	Chirurgical Maintenance	VIZ08280314	Medium size scissors for initial medulla removal
Nunc 4-well dishes for IVF	Nunc/VWR International	144444	COC collection during COC search and IVM culture
Nunc Invitro fertilization Petri Dish with Vented Lid, 60 mm, Non-Pyrogenic, Sterile	Thermo Scientific/VWR	NUNC150270	Dish for COC search
Oocyte handling medium : Flushing Medium with heparin	Origio/CooperSurgical	10765060	Search medium for COC search
Ovoil	Vitrolife	10029	oil for IVM culture
Penicillin/Streptomycin mix	Life Technologies Europe	15140-148	Supplement for OTC handling medium
Scissors, curved, 150 mm long, 20 mm blade	Chirurgical Maintenance	VIREBST999-SC	Small size scissors for residual medulla removal