

Minimum Volume Vitrification of Immature Feline Oocytes

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jove.com/video/61523

Materials

Name	Company	Catalog Number	Comments
Amphotericin B	Sigma-Aldrich	A2942	/
Automatic pipettes & tips	/	/	Needed to pipette 20, 100, 240 and 300 µL
Surgical scalpels	/	/	Size 10 is usually ok
Bunsen beak	/	/	/
Clamps	/	/	Some small (Mosquito clamp) for ovary isolation, some bigger (Klemmer clamp) to work in liquid nitrogen
Cryotop	Kitazato (distributor: MBT - Medical Biological Technologies)	01.CR	Distributors and catalog number may change in different countries
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2650	/
Ethylene glycol (EG)	Sigma-Aldrich	E9129	/
Fetal bovine serum (FBS)	Sigma-Aldrich	F9665	/
Glass Pasteur pipettes	/	/	Advised length 230 mm (100+130)
Gobelets	/	/	According to the canisters of the storage tank
Heating stage	/	/	All heating stages are ok, as long as they can keep 38°C
Liquid nitrogen	/	/	/
Medium 199	Sigma-Aldrich	M4530	/
Phosphate-buffered saline (PBS)	Sigma-Aldrich	D8662	/
Penicillin G sodium	Sigma-Aldrich	P3032	/
Polyvinyl alcohol (PVA)	Sigma-Aldrich	P8136	/
Repro plate	Kitazato (distributor: MBT - Medical Biological Technologies)	01.K-2	Distributors and catalog number may change in different countries
Stereomicroscope	/	/	As long as the operator can select the oocytes, other stereomicroscopes are ok
Storage tank	/	/	Any regularly filled tank is ok
Streptomycin sulphate	Sigma-Aldrich	S9137	/
Styrofoam/nitrogen resistant box	/	/	All boxes which can contain liquid nitrogen are ok, as long as the

			operator is comfortable. Kitazato box is called "Cooling Rack"
Sucrose	Sigma-Aldrich	S1888	/
Timers	/	/	All timers which can be set on times until 9 minutes are ok