

Materials List for

Fertility Preservation Through Oocyte Vitrification: Clinical and Laboratory Perspectives

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jove.com/video/61963

Materials

Name	Company	Catalog Number	Comments
Collection			
Equipment			
Hot plate	IVF TECH		
Lab Markers	Sigma Aldrich		
Laminar Flow Hood	IVF TECH		Grade A air flow
Stereomicroscope	Leica	Leica M80	
Thermometer			
Test tube Warmer			
Tri-gas incubator	Panasonic	MCO-5M-PE	02/CO2
Vacuum Pump	Cook	K-MAR-5200	
Consumables			
CSCM (Continuous single culture complete) medium	Fujifilm Irvine Scientific	90165	IVF culture medium supplemented with HSA
Mineral Oil for embryo culture	Fujifilm Irvine Scientific	9305	
Ovum Aspiration Needle (Single lumen)	Cook	K-OSN-1730-B-60	
Primaria Dish	Corning	353803	Corning Primaria Dish 100x20 mm style standard cell culture dish
Round- bottom tubes	Falcon	352001	Falcon 14ml Round Bottom Polystyrene Test tube with snap cap
Round- bottom tubes	Falcon	352003	Oocyte collection tubes/ Falcon 5ml 12x75 Round Bottom Polipropilene Test tube with snap cap
Rubber Bulb	Sigma Aldrich	Z111589-12EA	
Sterile glass Pasteur pipettes	Hunter Scientific	PPB150-100PL	Pipette Pasteur Cotonate, 150mm, MEA e CE
Denudation			
Equipment			
CO2 incubator	Eppendorf	Galaxy 14S	

Flexipet adjustable handle set	Cook	G18674	Stripper holder
Gilson Pipetman	Gilson	66003	p20
k-System Incubator	Coopersurgical	G210Invicell	
Lab Markers	Sigma Aldrich		
Laminar Flow Hood	IVF TECH		Grade A air flow
Stereomicroscope	Leica	Leica M80	
Consumables			
Biopur epTIPS Rack	Eppendorf	30075331	Micropipettes epTIPS Biopur 2-200 µL
Human Serum Albumin	thermoFisher Scientific	9988	
Hyaluronidase	Fujifilm Irvine Scientific	90101	80 IU/mL of hyaluronidase enzyme in HEPES-buffered HTF
IVF culture dish (60 x 15mm)	Corning	353802	Corning Primaria Falcon Dish 60X15mm TC Primaria standard cell culture dish
IVF dish 4-well plate with sliding lid	ThermoFisher Scientific	176740	Multidishes 4 wells (Nunc)
IVF One well dish	Falcon	353653	Falcon 60 x 15 mm TC treated center-well IVF
Mineral Oil for embryo culture	Fujifilm Irvine Scientific	9305	
Modified HTF Medium	Fujifilm Irvine Scientific	90126	HEPES-Buffered medium
Rubber Bulb	Sigma Aldrich	Z111589-12EA	1 mL for pasteur pipettes
Sterile glass Pasteur pipettes	Hunter Scientific	PPB150-100PL	Pipette Pasteur Cotonate, 150 mm, MEA e CE
stripping pipette tips (140 µm)	Cook	K-FPIP-1140-10BS-6	PIPETTE FLEXIPETS PER DENUING
stripping pipette tips (130 µm)	Cook	K-FPIP-1130-10BS-7	PIPETTE FLEXIPETS PER DENUING
stripping pipette tips (170 µm)	Cook	K-FPIP-1170-10BS-5	PIPETTE FLEXIPETS PER DENUING
Vitrification			
Equipment			
Electronic Timer			
Flexipet adjustable handle set	Cook	G18674	Stripper holder
Gilson Pipetman	Gilson	F123601	p200
Lab Markers	Sigma Aldrich		
Laminar Flow Hood	IVF TECH		Grade A air flow
Stainless Container for Cooling Rack	Kitazato		Liquid nitrogen container for vitrification
Stereomicroscope	Leica	Leica M80	
Consumables			
Biopur epTIPS Rack	Eppendorf	30075331	Micropipettes epTIPS Biopur 2-200 µL
Human Serum Albumin	Fujifilm Irvine Scientific	9988	
IVF culture dish (60 x 15 mm)	Corning	353802	Corning Primaria Falcon Dish 60 x 15 mm TC Primaria standard cell culture dish
IVF dish 6-well	Oosafe	OOPW-SW02	OOSAFE 6 WELL DISH WITH STRAW HOLDER
Modified HTF Medium	Fujifilm Irvine Scientific	90126	HEPES-Buffered medium
stripping pipette tips (170 µm)	Cook	K-FPIP-1170-10BS-5	PIPETTE FLEXIPETS PER DENUING
Vitrification Freeze kit	Fujifilm Irvine Scientific	90133-so	2 Vials of ES (Equilibration Solution, 2 x 1 mL) and 2 Vials of VS (Vitrification Solution, 2 x 1 mL)

Vitrifit	Coopersurgical Origio	42782001A	VitriFit Box
Warming			
Equipment			
Electronic Timer			
Flexipet adjustable handle set	Cook	G18674	Stripper holder
Gilson Pipetman	Gilson	F123601	p200
k-System Incubator	Coopersurgical	G210Invicell	
Lab Markers	Sigma Aldrich		
Laminar Flow Hood	IVF TECH		Grade A air flow
Stainless Container for Cooling Rack	Kitazato		Liquid nitrogen container for vitrification
Stereomicroscope	Leica	Leica M80	
Consumables			
Biopur epTIPS Rack	Eppendorf	30075331	Micropipettes epTIPS Biopur 2-200 μ L
CSCM (Continuous single culture complete) medium	Fujifilm Irvine Scientific	90165	IVF culture medium supplemented with HSA
IVF culture dish (60 x 15 mm)	Corning	353802	Corning Primaria Falcon Dish 60X15mm TC Primaria standard cell culture dish
IVF dish 4-well plate with sliding lid	ThermoFisher Scientific	176740	Multidishes 4 wells (Nunc)
IVF dish 6-well	Oosafe	OOPW-SW02	OOSAFE® 6 WELL DISH WITH STRAW HOLDER
Mineral Oil for embryo culture	Fujifilm Irvine Scientific	9305	
SAtripping pipette tips (300 μ m)	Cook	K-FPIP-1300-10BS-5	PIPETTE FLEXIPETS PER DENUING
Vitrification Thaw kit	Fujifilm Irvine Scientific	90137-so	4 Vials of TS (Thawing Solution, 4 x 2 mL) + 1 Vial of DS (Dilution Solution, 1 x 2 mL) +1 Vial of WS (Washing Solution, 1 x 2 mL)