

Materials List for:

# Human Blastocyst Biopsy and Vitrification

Roberta Maggiulli<sup>1</sup>, Adriano Giancani<sup>1,2</sup>, Danilo Cimadomo<sup>1</sup>, Filippo M. Ubaldi<sup>1</sup>, Laura Rienzi<sup>1</sup>

<sup>1</sup>Clinica Valle Giulia, G.EN.E.R.A. Centers for Reproductive Medicine

<sup>2</sup>DAHFMO, Unit of Histology and Medical Embryology, Sapienza University of Rome

Correspondence to: Danilo Cimadomo at [cimadomo@generaroma.it](mailto:cimadomo@generaroma.it)

URL: <https://www.jove.com/video/59625>

DOI: [doi:10.3791/59625](https://doi.org/10.3791/59625)

## Materials

Name	Company	Catalog Number	Comments
<b>Equipment</b>			
Cold tube rack	Biocision	XTPCR96	
Electronic pipette controller	Fisher Scientific	710931	
Flexipet adjustable handle set	Cook	G18674	Stripper holder
Gilson Pipetman	Gilson	66003	p20
IVF Electronic Witness System	CooperSurgical Fertility & Genomic Solutions		RI Witness ART Management System
Inverted microscope	Nikon	Eclipse TE2000-U	
Laminar Flow Hood	IVF TECH		Grade A air flow
Laser objective	RI	Saturn 5	
Microinjectors	Nikon Narishige	NT-88-V3	
Mini centrifuge for PCR tubes	Eppendorf	CSLQSPIN	for 0.2ml PCR tubes
Stereomicroscope	Leica	Leica M80	
Thermostat	Panasonic	MCO-5AC-PE	
Tri-gas incubator	Panasonic	MCO-5M-PE	02/CO2
<b>Consumables</b>			
Biopsy pipette	RI	7-71-30FB35720	30µm ID, flat 35°C
Cryolock	Cryolock	CL-R-CT	
CSCM complete	Irvine Scientific	90165	IVF culture medium supplemented with HSA
Embryo Transfer Catheter	Cook	G17934	
Flexipet pipette	Cook	G26712	140µm stripping pipette tip
Flexipet pipette	Cook	G46020	300µm stripping pipette tips
Holding pipette	RI	7-71-IH35/20	30µm ID, flat 35°C
Human Serum Albumin	Irvine Scientific	9988	
IVF One well dish	Falcon	353653	
Mineral Oil for embryo culture	Irvine Scientific	9305	
Modified HTF Medium	Irvine Scientific	90126	Hepes-Buffered medium
Nuclon Delta Surface	ThermoFisher scientific	176740	IVF dish 4-well plate with sliding lid
Primaria Cell culture dish	Corning	353802	60x15mm
Reproplate	Kitazato	83016	
Serological pipette	Falcon	357551	10ml
Sterile disposable Gilson tips	Eppendorf	0030 075.021	200µl
Tubing Kit	Provided by the genetic lab		PCR tubes (0.2mL), loading solution, biopsy washing solution

---

Vitrification media	Kitazato	VT801	Equilibration and vitrification solutions
Warming media	Kitazato	VT802	Thawing and dilution solutions