



DMSO Free Vitrification Media

For Efficient Embryo Cryopreservation

- Simple and easy-to-follow protocol
- Ready to use media
- DMSO free



Medicult Vitrification Media

For Efficient Embryo Cryopreservation

Vitrification

Vitrification is a cryopreservation technique based on ultrafast cooling. High cryo-protectant concentrations in the media rapidly dehydrates the cells, before they are plunged into liquid nitrogen. This rapid cooling solidifies the cell into a 'glass-like state' without any ice formation.

MediCult Vitrification Cooling and Warming

The media has been designed for vitrification, storage and warming of human embryos. It contains 12mg/ml HSA and the cryoprotectants PROH, EG and Sucrose.

Benefits of MediCult Vitrification Media

- Simple and easy-to-follow protocol
- Ready to use media
- DMSO free

Catalog No.

1228 4001	MediCult Vitrification Cooling, 4 x 1 ml
1229 5002	MediCult Vitrification Warming, 5 x 2ml

Note: The products are provided in vials intended for single use.

Recommended Vitrification Carriers

VitriGuard (pack of 20)		VitriGuard (pack of 50)	
4378 2001	VitriGuard Clear	4378 5005	VitriGuard Clear
4379 2001	VitriGuard Blue	4379 5005	VitriGuard Blue
4380 2001	VitriGuard Green	4380 5005	VitriGuard Green
4381 2001	VitriGuard Yellow	4381 5005	VitriGuard Yellow
4382 2001	VitriGuard Lime	4382 5005	VitriGuard Lime
4383 2001	VitriGuard Purple	4384 5005	VitriGuard Purple
4385 2001	VitriGuard Orange	4385 5005	VitriGuard Orange
4386 2001	VitriGuard Pink	4386 5005	VitriGuard Pink

Clinical data with DMSO free media

	Number	Survival rate (%)	Reference
	123/ 29	91.1 / 89.7	Dundure et al., 2010, Hum. Reprod.
Embryos	97	90	Phillips et al., 2010, ALPHA, Budapest
	83	85.5	Son et al., 2009, Fert. Steril.
	40	97.5	Fernandez et al., 2007

Optimize results by:

- Vitrifying good material only
- Mixing vials well before use
- Maximum 60 seconds exposure to vitrification medium
- Loading cells onto open device in <1 µl volume
- Keeping vitrified cells under LN₂ at all times

Quality control testing

- Sterility tested
- Endotoxin tested ≤ 0.5 EU/ml
- Mouse Embryo Assay (MEA) tested
- pH tested
- Osmolality

Note: The results from each batch are stated on a Certificate of Analysis, which is available on fertility.coopersurgical.com/batch-certificates

Contact

For further information on products or the possibility of arranging a hands-on vitrification workshop, please visit coopersurgical.com to find your local distributor or contact CooperSurgical directly.