MediCult Vitrification Media

For Efficient Embryo Cryopreservation

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

1228 4001 MediCult Vitrification Cooling
1229 5002 MediCult Vitrification Warming

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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. The vitrification technique has proven efficient for oocytes and all stages of embryos.

MediCult Vitrification Cooling and Warming

The media has been designed for vitrification, storage and warming of oocytes and embryos. The media contain 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

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 www.origio.com.

Catalog No.

1228 4001 MediCult Vitrification Cooling, 4x1 ml
1229 5002 MediCult Vitrification Warming, 5x2 ml

The products are provided in vials intended for single use and comes with a comprehensive package insert

Clinical data with DMSO free media

	Number	Survival rate (%)	Reference
Embryos	123/29	91.1/89.7	Dundure et al., 2010, Hum. Reprod.
	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
- Max 60 sec exposure to vitrification medium
- Loading cells onto open device in <1µl volume
- Keeping vitrified cells under LN_2 at all times

Contact

For further information on products or possibilities of arranging a hands-on vitrification workshop, please visit www.origio.com to find your local ORIGIO MediCult Media distributor or contact ORIGIO directly at the address listed below.

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