MediCult Vitrification Media

For Oocytes, Embryos and Blastocysts

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

1228 4001 MediCult Vitrification Cooling
1229 5002 MediCult Vitrification Warming

CE 0543

Knardrupvej 2, 2760 Måløv, Denmark • Tel: +45 46 79 02 00 • Fax: +45 46 79 03 00 • www.origio.com

MediCult Vitrification Media

Efficient Cryopreservation of Oocytes, Embryos and Blastocysts

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
- Excellent choice of carriers
- Ready to use media
- DMSO free

Catalog No.

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

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

Recommended Vitrification Carriers

4077 1401 14 x McGill Cryoleaf™ Open system (CE)

CRY-PETTE Cryopette® Sterile 5-pack Closed system (CE)

Clinical data with DMSO free media

	Number	Survival rate (%)	Reference
2PN	13	100	Naether et al., 2008, RBM Online
	23	69.6	Unpublished data
Oocytes	298	91.8	Cao et al., 2009, Fert. Steril.
	286	78.9	Fadini et al., 2009, RBM Online
	180	93.9	Chian et al., 2005, Fert. Steril.
	103	96	Valluzo et al., 2009, Fert. Steril.
	81	77.8	Sheehan et al., 2010, Hum. Reprod.
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
Blastocysts	50	80	Unpublished data
	40	94	Dal Canto et al., unpublished data

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

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.

Contact

For further information on products or the possibility 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.

Knardrupvej 2, 2760 Måløv, Denmark • Tel: +45 46 79 02 00 • Fax: +45 46 79 03 00 • www.origio.com