

ISM1™

For single embryo transfer of good quality embryos

- Full, rich medium formulated specifically for the early embryo
- Contains methionine – vital to genomic imprinting
- Strong guard against oxidative stress



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ISM1™ is an advanced cleavage-stage culture medium, designed to mimic the natural environment of the embryo.

Aging women: The battle of IVF

Women are born with a fixed pool of oocytes which decline in quality as the endogenous pool of nutrients and amino acids is depleted. This is the major factor in fertility decrease with age.

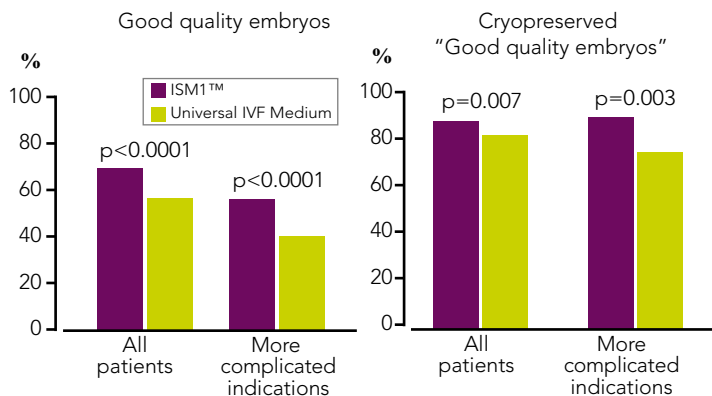
Methionine: Vital for correct imprinting

Essential amino acids are often omitted from cleavage-stage media, f.ex. methionine, an essential sulphur amino acid involved in genomic methylation and imprinting. Niemitz & Feinberg 2004 hypothesize that methionine is a critical medium component, capable of affecting DNA imprinting.

ISM1™ is a rich cleavage-stage medium containing high levels of pyruvate and both essential and non-essential amino acids – including methionine – thus supplying factors vital to aging oocytes and embryos.

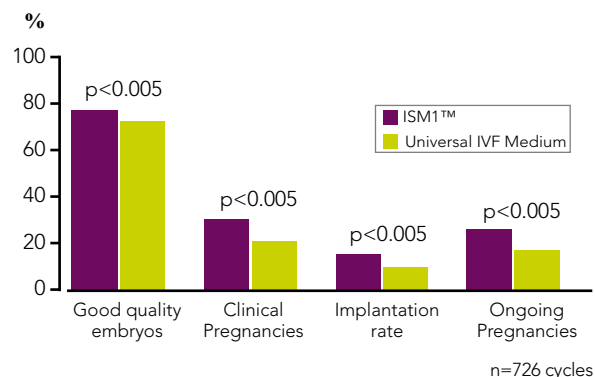
Clinical documentation

A multicenter sibling study comparing ISM1™ to Universal IVF Medium resulted in more "good quality" embryos for transfer and cryo in ISM1™. The significant improvement is even greater in patients with complicated indications. The benefits of an optimized culture medium become clear under demanding IVF circumstances.



*Multicenter study at University Hospital, Odense, Denmark; University Hospital, Uppsala, Sweden and Novum Clinic, Warsaw, Poland.

Xella et al 2009 confirmed this, showing significantly more good-quality embryos, ongoing pregnancy rates, and implantation rates in ISM1™.



Quality control testing

- Sterility
- pH
- Osmolality
- Endotoxin
- Mouse Embryo Assay (MEA)

For each batch a Certificate of Analysis with the result of the above tests is available on www.origio.com.

Catalog No.

10500010 ISM1™, with Phenol Red, 10 ml
 10500060 ISM1™, with Phenol Red, 60 ml
 11500010 ISM1™, without Phenol Red, 10 ml
 11500060 ISM1™, without Phenol Red, 60 ml

The products are supplied with a comprehensive package insert.

Contact

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