

# Universal IVF Medium

Probably the best fertilization medium available

- High glucose medium for fertilization
- Provides high-energy conditions for gamete fusion
- Consistent, high fertilization rates for more than a decade



## Universal IVF Medium

### High glucose content to support fertilization

Universal IVF Medium has been the medium of choice around the world for more than 20 years. It is one of the most thoroughly tried and tested media available and its performance and consistency is renowned.

High glucose is important to the fertilization process:

- Glucose is used by spermatozoa as a main energy source
- Glucose improves sperm capacitation and motility
- Glucose participates in sperm-oocyte fusion

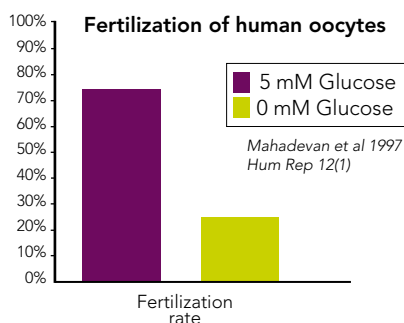
Ref: Williams & Ford 2001 J Androl 22(4)  
Mahadevan et al 1997 Hum Rep 12(1)  
Hoshi et al 1991 Tohoku J. Exp Med 165

#### Clinical documentation

While the entire fertilization process is not fully understood, the effect of glucose is clear.

Barak et al 1998 compared fertilization in four media, ranging from no glucose to high glucose content Universal IVF Medium, having the highest glucose content, yielded significantly better fertilization than the remaining three media.

In a comparison of fertilization in glucose-free and glucose-rich media by Mahadevan et al, significantly better results were achieved in glucose-rich medium.



Universal IVF Medium contains ~5 mM glucose.

#### Fertilization rates

Through its balanced composition and stability, Universal IVF Medium has yielded high fertilization rates for more than a decade:

	Fertilization rate (%)	Cycles
1. Hammadeh et al 1992	78	50
2. Barak et al 1998	78.2	182
3. Karamalegos 1999	70.7	230
4. Vlaisavljevic 2001	77.7	187
5. Erb 2004	69	950
6. Frydman 2004	71	1546
7. Kattera & Chen 2004	74.5	1725

Full references available from ORIGIO a/s

#### Quality control testing

- Sterility tested
- pH tested
- Osmolality tested
- Ph. Eur. endotoxin tested  $\leq 0.1$  EU/ml
- Mouse Embryo Assay (MEA)

Note: The results from each batch are stated on a Certificate of Analysis, which is available on [www.origio.com](http://www.origio.com).

#### Catalogue No.

1030 1010 without Phenol Red, 10x10 ml  
1030 0060 without Phenol Red, 60 ml  
1030 5060 without Phenol Red, 5x60 ml  
1031 1010 with Phenol Red, 10x10 ml  
1031 0060 with Phenol Red, 60 ml  
1031 5060 with Phenol Red, 5x60 ml

#### Contact

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