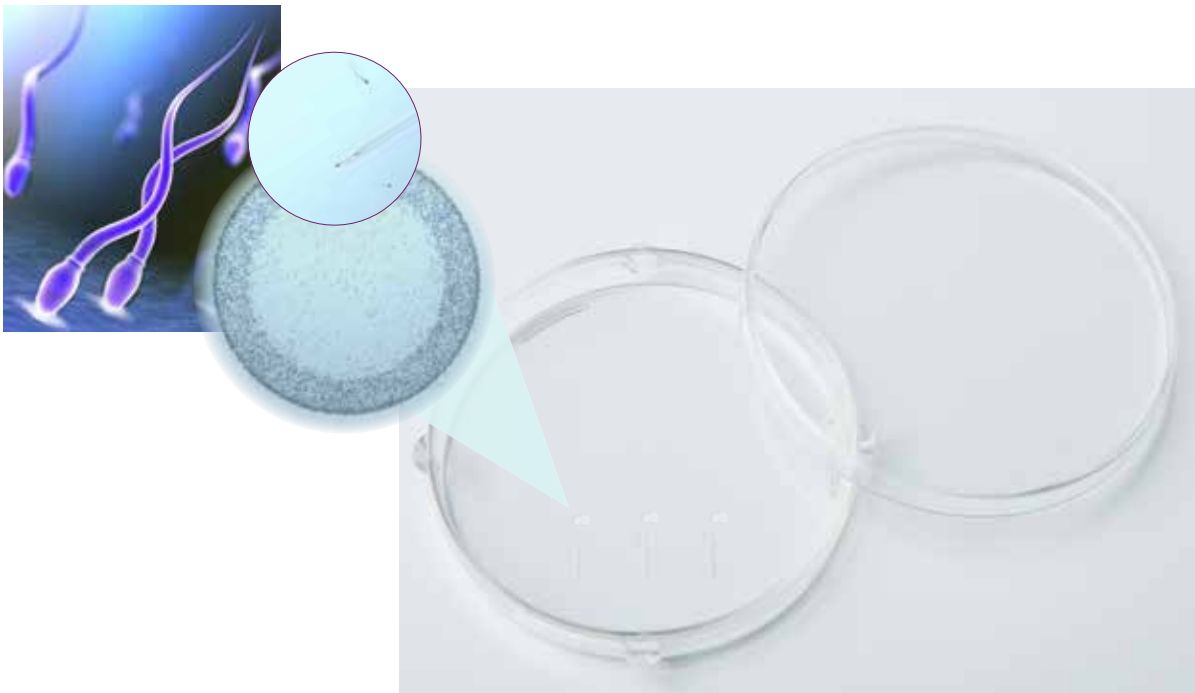


PICSI® Dish

Sperm selection for ICSI

- based on Hyaluronic acid binding

- Significantly reduces pregnancy loss rate
- Binds only mature sperm with high DNA integrity
- Correlates with maturity, strict morphology and reduced chromosomal aneuploidies
- Clinically proven to benefit ICSI patients with low Hyaluronan Binding score (HBA® score)



PICSI® Dish

Significantly reduces pregnancy Loss Rate

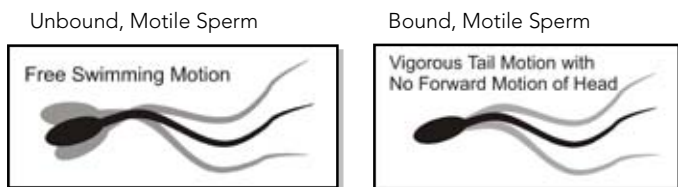
PICSI® dish is indicated for the selection of mature sperm for ICSI.

Early pregnancy loss can result from selecting a compromised spermatozoa during ICSI. This can be due to the fact that visual selection alone cannot identify mature spermatozoa with high DNA integrity and reduced chromosomal aneuploidies. Hyaluronic acid (HA)-sperm selection can.

Facts on Hyaluronan (Hyaluronic acid -HA):

- Hyaluronan is the major component of the Cumulus Complex surrounding the human oocyte
- A sperm's ability to bind to HA is a biochemical marker of the sperm's maturity and DNA integrity
- Only mature spermatozoa with developed receptors for HA can bind

The PICSI® dish contains 3 microdots of Hyaluronic acid, where mature spermatozoa will bind for easy picking.



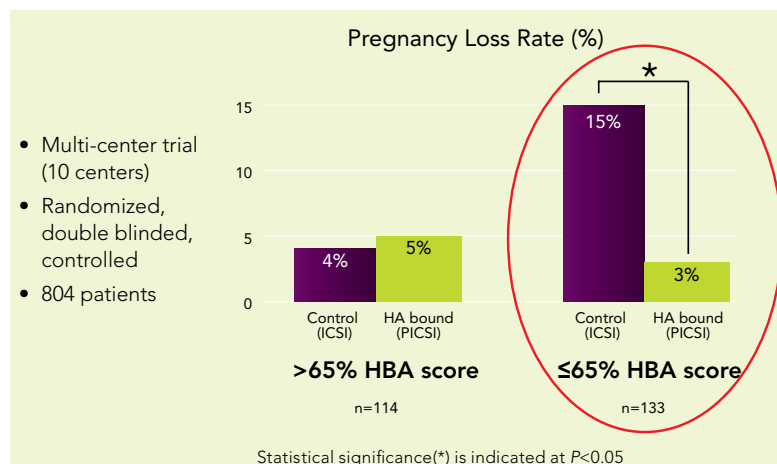
Clinical documentation

The ability to bind to HA correlates to:

- **Maturity**
- **Strict morphology**
- **High DNA integrity**
- **Reduced chromosomal aneuploidies**

In an extensive study by Worrilow et al. (2012), it was found that the combination of the diagnostic abilities of the Hyaluronic Binding Assay (HBA®) and the HA-sperm selection in the PICSI® dish led to improved clinical Pregnancy Rate (CPL) and significantly reduced Pregnancy Loss Rate in ICSI patients diagnosed to have low HA-binding ability (HBA® score $\leq 65\%$).

This study further demonstrated that 15% of all ICSI patients express sperm samples with compromised developments (HBA® score $\leq 65\%$) and would benefit from HA sperm selection.



References

- Worrilow et al.** (2012) Use of hyaluronan in the selection of sperm for intracytoplasmic sperm injection (ICSI); significant improvement in clinical outcomes-multicenter, double blinded and randomized trial. *Hum. Reprod.*, Nov 30.
- Huszar et al.** (2012) Sperm testing and ICSI selection by hyaluronic acid binding: the hyaluronic acid coated glass slide and petri dish in the andrology and IVF laboratories. *Practical Manual of in Vitro Fertilization: Advanced Methods and Novel Devices*. New York: Springer. P.241-257
- Yagci et al.** (2010) Spermatozoa bound to solid state hyaluronic acid show chromatin structure with high DNA chain integrity: An acridine orange fluorescence study. *J Androl*; 31:566-572

Catalogue No.

BCT-PICSI-20 20 PICSI® dishes,
individually packaged, sterile

Find more information on www.origio.com

A demonstration video as well as the instructions for use are available on our website. You can also find out who your local ORIGIO distributor is.