ORIGIO® ANDROLOGY

SpermSlow™

The natural alternative to PVP for the selection of mature sperm

- One-step immobilization and selection of mature sperm for ICSI
- Improved embryo quality and development
- Approaching physiological ICSI

CooperSurgical
Fertility and Genomic Solutions

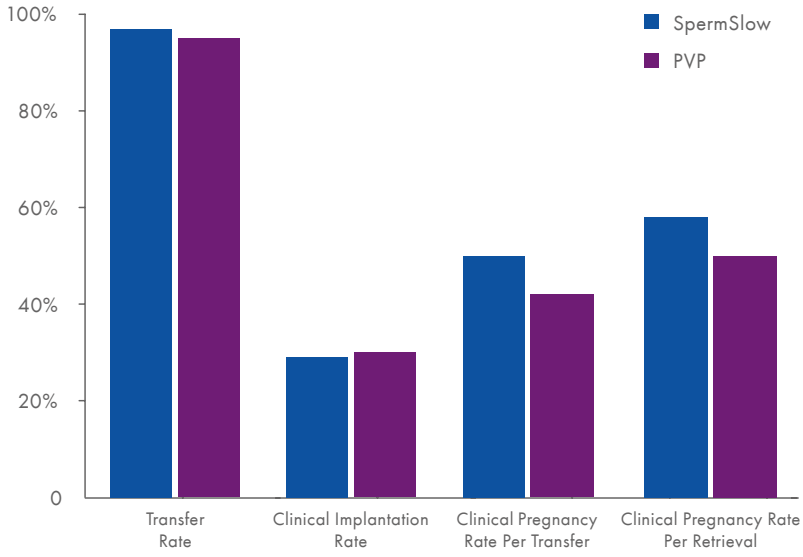
SpermSlow

SpermSlow acts as a biomarker for sperm selection as only mature spermatozoa will effectively bind to hyaluronan via receptors on the sperm head. This enables selection of only competent sperm with better developmental maturity and DNA integrity.

SpermSlow is a natural alternative to PVP as it is made principally of hyaluronan, a naturally occurring substance found in the oocyte cumulus complex and is completely biodegradeable.

Clinical Documentation

The clinical efficacy of SpermSlow has been shown to be equivalent to that of PVP[1] or better, with improved embryo quality[2], improved embryo development[3] and improved implantation rate[4].



	SpermSlow	PVP
Immobilization	•	•
Selection of mature sperm	•	
Biodegradable	•	

Catalogue No.

1094 4000	SpermSlow, 4 x 0.1 ml

A 2004 study, where oocytes from two equally aged (mean: 33.6 yrs) patient groups were injected with sperm immobilized in PVP Clinical Grade (n=110) and SpermSlow (n=92), found there were no significant differences in the Embryo Scoring and the number of embryos transferred: SpermSlow 166/88 and PVP 195/105= 1.86. There were five miscarriages in each group[5].

References

1. Bacer-Kermavner L, et al. (2008) Sperm selection with hyaluronan for ICSI procedures and blastocyst development. Presented at the 24th Annual Meeting of the ESHRE. Barcelona, Spain. Abstract P-391
2. Shimizu et al. (2009) Selection of the most mature sperm for ICSI by SpermSlow™ and clinical data. Presented at the 14th meeting of Japanese Society of Clinical Embryologists. Sapporo, Japan.
3. Parmegiani L, et al. (2010). Efficiency of hyaluronic acid (HA) sperm selection. Journal of Assisted Reproduction and Genetics 27, 13–16. doi:10.1007/s10815-009-9380-0
4. Ménézo Y, Nicollet B. (2004) Replacement of PVP by hyaluronate (SpermSlow™) in ICSI—Impact on outcome. Presented at the 18th World Congress on Fertility and Sterility IFFS. Montreal, Canada.
5. Parmegiani L, et al. (2010). "Physiologic ICSI": Hyaluronic acid (HA) favors selection of spermatozoa without DNA fragmentation and with normal nucleus, resulting in improvement of embryo quality. Fertility and Sterility 93, 598–604. doi:10.1016/j. fertnstert.2009.03.033