



CryoSperm™

For HSA-free cryopreservation of human spermatozoa.



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CryoSperm™ is a ready-to-use, HSA-free sperm freezing medium using a blend of glycerol and raffinose as cryoprotectants. The medium is free of any proteins and components of animal origin. The CryoSperm™ protocol follows the traditional 1:1 mix with seminal plasma. Raffinose is a trisaccharide, which functions as an extracellular (non-permeating) cryoprotectant, while glycerol permeates the cell membrane and functions intracellularly. The combination of raffinose and glycerol has previously been shown to significantly improve the fertilizing ability of frozen-thawed spermatozoa (Tada *et al* 1990).

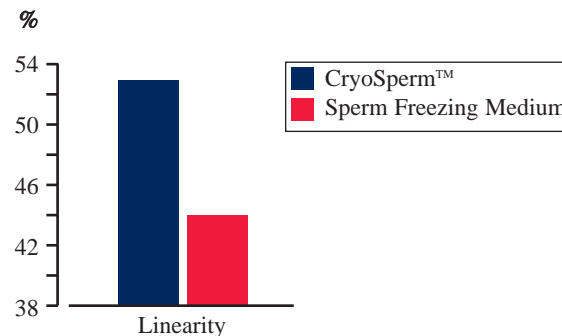
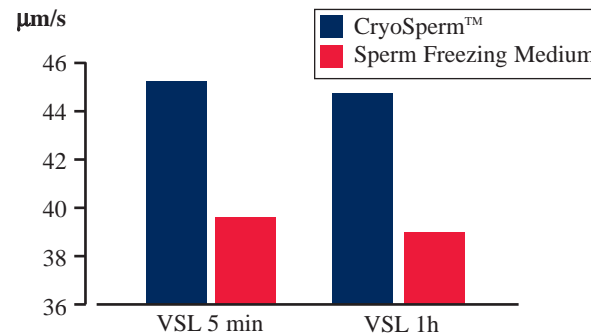
Clinical documentation

CryoSperm™ has been compared to Sperm Freezing Medium (product no. 1067) in three independent studies at Clermont-Ferrand (F), Rennes (F), and Nordic Cryobank (DK).

All parameters examined in all three studies showed equal or better results in CryoSperm™.

CryoSperm™ yielded significantly better:

- Straight-line velocity (VSL)
- Motility
- Amplitude of lateral head displacement (ALH)
- Linearity
- Vitality



References

Tada *et al.* (1990) J Reprod Fertil 89(2):511-6
Hammerstedt *et al* (1990) J Androl 11(1):73

Quality control testing

- Sterility tested (Ph. Eur., USP)
- pH tested (Ph. Eur., USP)
- Endotoxin tested ≤ 0.1 EU/ml (Ph. Eur., USP)
- Sperm survival tested

Catalogue No.

11010010 CryoSperm™ (1 x 10 ml)

Contact

Please visit www.medicult.com to find your local MediCult distributor or contact MediCult directly at the address listed below.