SAGE® Vitrification Solutions

DMSO-based vitrification for all stages

- Cooling kit for up to 8 cases
- Warming kit for up to 32 cases
- Simple protocols

CooperSurgical®
Fertility Solutions

Simple, reliable, flexible

Product Overview

SAGE® DMSO vitrification allows for ultra-rapid cooling of human oocytes, zygotes, embryos and blastocysts. Our vitrification solutions work with any vitrification carrier. Survival rates above 94% have been reported for all stages. [1,2,3]

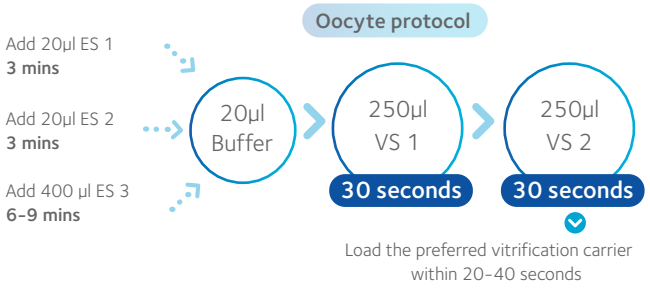
Quality Assurance Tests

- Endotoxin
- Sterility by the current USP <71> Sterility Test
- Biocompatibility by one-cell mouse embryo assay (MEA)

Ordering information

SAGE vitrification solutions are based on a MOPS buffered HTF with non-essential and essential amino acids, gentamicin sulfate (0.01 g/L) and 12mg/mL Human Albumin.

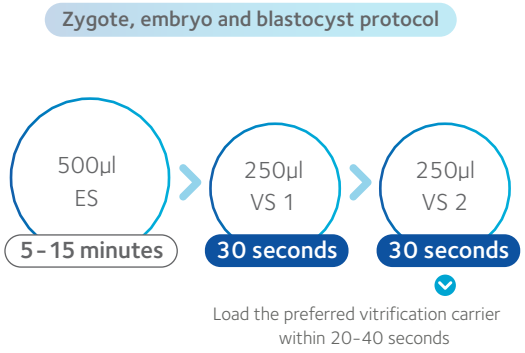
- Vitrification kit designed for 8 cases
- All steps performed at room temperature



Vitrification Kit

Ref No.	Cap Colour	Description	Unit Size
		SAGE Vitrification Media Kit includes:	
ART-8026		Equilibration Solution	2x2 mL
		Vitrification Solution	2x2 mL

- Equilibration solution: 7.5% (v/v) of both DMSO and Ethylene Glycol
- Vitrification solution: 15% (v/v) of both DMSO and Ethylene Glycol and 0.6M Sucrose



Warming Kit

Ref No.	Cap Colour	Description	Unit Size
		SAGE Vitrification Warming Kit includes:	
ART-8031		1.0 M Sucrose Warming Solution	2x2 mL
		0.5 M Sucrose Warming Solution	2x2 mL
		MOPS Solution	2x2 mL
ART-8034		1.0 M Sucrose Warming Solution	8x2 mL
		0.5 M Sucrose Warming Solution	2x2 mL
		MOPS Solution	2x2 mL

- Warming kit for up to 32 cases
- All steps performed at 37°C

References

1. Selman, H. et al., 2010. Pregnancies and deliveries after injection of vitrified warmed oocytes with cryopreserved testicular sperm. *Fertility and Sterility*, 94(7), pp. 2927-2929.
2. Selman, H. et al., 2009. Vitrification is a highly efficient method to cryopreserve human embryos in in vitro fertilization patients at high risk of developing ovarian hyperstimulation syndrome. *Fertility and Sterility*, 91(4), pp. 1611-1613.
3. Wan, C.-Y.et al., 2014. Laser-assisted hatching improves clinical outcomes of vitrified warmed blastocysts developed from low-grade cleavage-stage embryos: a prospective randomized study. *Reproductive BioMedicine Online*, 28(5), pp. 582-589.
4. Cao, Y.-X., Xing, Q., Li, L., Cong, L., Zhang, Z.-G., Wei, Z.-L. and Zhou, P. (2009). Comparison of survival and embryonic development in human oocytes cryopreserved by slow-freezing and vitrification. *Fertility and Sterility*, 92(4), pp.1306–1311.

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