

SAGE™ Vitrification Solutions

DMSO-based vitrification for all stages



Warming

Cooling

- Cooling kit for up to 40 cases
- Warming kit designed for 8 cases
- Simple protocols



CooperSurgical®
Fertility Solutions

Simple, reliable, flexible

Product Overview

SAGE™ vitrification solutions enable ultra-rapid cooling of human oocytes, embryos and blastocysts. Our vitrification solutions increase options for women undergoing various fertility treatments and will 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

| Ref No. | 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

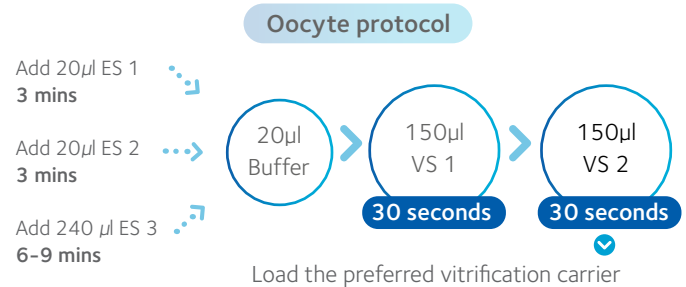
| Ref No. | Description | Unit Size |
|--|----------------------------------|-----------|
| SAGE Vitrification Warming Kit includes: | | |
| ART-8031 | ● 1.0 M Sucrose Warming Solution | 2x2 mL |
| | ● 0.5 M Sucrose Warming Solution | 2x2 mL |
| | ● MOPS Solution | 2x2 mL |

- 1M Sucrose Warming Solution
- 0.5M Sucrose Warming Solution
- MOPS Solution

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 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.

- Kit designed for up to 40 cases
- All steps performed at room temperature



Zygote, embryo and blastocyst protocol



- Kit designed for 8 cases
- All steps performed at 37°C

Warming protocol

