



VITRIFICATION BY ORIGIO®

# SAGE™

## Vitrification Solutions

- Vitrification increases fertility options for women
- MOPS buffered formulation of HTF Medium uses proven formulation strategies consistent with Quinn's Advantage™ Series of ART products<sup>1</sup>
- DMSO based vitrification media
- Blastocyst survival rates of 96% with vitrification vs. 91% for slow freezing<sup>2</sup>



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# SAGE Vitrification Solutions

## Product Overview

SAGE vitrification solutions enable ultra-rapid cooling and recovery of human embryos, which eliminates ice crystal formation, resulting in increased human embryo survival rates. Our vitrification solutions increase fertility options for women undergoing various treatments.

## Ordering Information

### SAGE™ Vitrification Kit

The Vitrification Kit is intended for the ultra-rapid vitrification of human embryos in ART procedures. This kit is designed to be used in conjunction with the SAGE IVF Vitrification Warming Kit for warming and recovery of specimens:

- Equilibration Solution (ART-8025-A) is MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin sulfate (0.01 g/L), 7.5% (v/v) each of DMSO and ethylene glycol and 12 mg/mL human albumin.
- Vitrification Solution (ART-8025-B) is a MOPS buffered solution of modified HTF containing non-essential amino acids, gentamicin sulfate (0.01 g/L), 15% (v/v) each of DMSO and ethylene glycol, 12 mg/mL human albumin, and 0.6 M sucrose.

Reference Number	Description	Unit Size
ART-8025	SAGE Vitrification Media Kit includes: Equilibration Solution Vitrification Solution	1 X 2 mL 1 X 2 mL

### SAGE™ Vitrification Warming Kit

Vitrification Warming Kit is intended for the recovery of human embryos that have been vitrified using the SAGE IVF Vitrification Kit:

- E1.0 M Sucrose Warming Solution (ART-8030-A) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin sulfate (0.01 g/L), 1.0 M sucrose and 12 mg/mL human albumin.
- 0.5 M Sucrose Warming Solution (ART-8030-B) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin sulfate (0.01 g/L), 0.5 M sucrose and 12 mg/mL human albumin.
- MOPS Solution (ART-8030-C) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin sulfate (0.01 g/L) and 12 mg/mL human albumin.

Reference Number	Description	Unit Size
ART-8030	SAGE Vitrification Warming Kit includes: 1.0 M Sucrose Warming Solution 0.5 M Sucrose Warming Solution MOPS Solution	1 X 4 mL 1 X 2 mL 1 X 6 mL

## References

- 1.Quinn P, (2003) Media used in the assisted reproductive technologies laboratories. In: A Color Atlas for Human Assisted Reproduction: Laboratory and Clinical Insights. Eds P. Patrizio, M.J. Tucker, V.Guelman, Lippincott Williams Wilkins, Philadelphia, Chapt 15, pp 241-256.
- 2.Liebermann J, Tucker MJ. (2006) Comparison of vitrification and conventional cryopreservation of day 5 and day 6 blastocysts during clinical application. Fertil. Steril. 86: 20-26.
- 3.Selman (2010) Pregnancies and deliveries after injection of vitrified-warmed oocytes with cryopreserved testicular sperm. Ferti. Steril. Vol 94 No7 2927-2929.

All SAGE Media is CE marked

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