



VITRIFICATION BY ORIGIO®

SAGE™

Vitrification Solutions



- DMSO based vitrification media solution
- MOPS buffered formulation of HTF Medium uses proven formulation strategies consistent with Quinn's Advantage™ Series of ART products¹
- Blastocyst survival rates of 96% with vitrification vs. 91% for slow freezing²

origio

a CooperSurgical Fertility Company

SAGE Vitrification Solutions

Product Overview

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

Quality Assurance Tests

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

Ordering information

SAGE Vitrification Kit

The Vitrification Kit is intended for the ultra-rapid vitrification of human blastocysts in ART procedures.

This kit is designed to be used in conjunction with the SAGE IVF Vitrification Warming Kit for warming and recovery of blastocysts.

- Equilibration Solution ART-8025/ART-8026 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/ART-8026 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	Reference Number	Description	Unit Size
ART-8025	SAGE Vitrification Media Kit includes: Equilibration Solution	1x2 mL	ART-8026	SAGE Vitrification Media Kit includes: Equilibration Solution	2x2 mL
	Vitrification Solution	1x2 mL		Vitrification Solution	2x2 mL

SAGE Vitrification Warming Kit

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

- 1.0 M Sucrose Warming Solution (ART-8030A/ART-8031A) 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-8030B/ART-8031B) 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-8030C/ART-8031C) 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	Reference Number	Description	Unit Size
ART-8030	SAGE Vitrification Warming Kit includes: 1.0 M Sucrose Warming Solution	1x4 mL	ART-8031	SAGE Vitrification Warming Kit includes: 1.0 M Sucrose Warming Solution	2x2 mL
	0.5 M Sucrose Warming Solution	1x2 mL		0.5 M Sucrose Warming Solution	2x2 mL
	MOPS Solution	1x6 mL		MOPS Solution	2x2 mL

References

¹Quinn 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, MJ Tucker, V.Guelman, Lippincott Williams Wilkins, Philadelphia, Chapt 15, pp 241-256.

²Liebermann 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.