



# SAGE Vitrification Solution

## Features and Benefits

- Blastocyst survival rates of 96% with Vitrification vs. 91% for Slow freezing<sup>1</sup>
- Ultra-rapid cooling and recovery of human blastocysts without ice crystal formation
- MOPS buffered formulation of HTF Medium uses proven formulation strategies consistent with Quinn's Advantage Series of ART products.<sup>2</sup>
- Vitrification increases fertility options for women

<sup>1</sup>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.

<sup>2</sup>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.

## Preservation for Life...



## Eliminates Ice Formation... Improves Blastocyst Yield

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

### Quality Assurance Tests

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

### 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 specimens.

Equilibration Solution (ART-8025-A) is a 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 and 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.

REF#	DESCRIPTION	UNIT SIZE
<b>ART-8025</b>	SAGE Vitrification Media Kit includes:	
	Equilibration Solution	1 x 2 mL
	Vitrification Solution	1 x 2 mL
<b>ART-8025-HSV</b>	SAGE Vitrification Kit with Cryo Bio System™ HSV Straws ( 8 Straws)	

#### 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-8030-A) is a MOPS buffered solution of modified HTF containing non-essential and essential amino acids, gentamicin sulfate (0.01g/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.

REF#	DESCRIPTION	UNIT SIZE
<b>ART-8030</b>	Sage Vitrification Warming Kit includes:	
	1.0 M Sucrose Warming Solution	1 x 4 mL
	0.5 Sucrose Warming solution	1 x 2 mL
	MOPS Solution	1 x 6 mL

PENDING CLEARANCE IN U.S.A.

**CooperSurgical**

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To find out more about SAGE Vitrification Solution, or to place an order call 800.243.2974.

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