

# SAGE 1-STEP™ MEDIUM

A refined, robust, single-step medium with hyaluronan



# SAGE 1-Step™ Medium

SAGE 1-Step™ medium is a single-step medium that supports consistency, reliability, and confidence in the laboratory.

This medium is designed with an optimized combination of nutrients, amino acids, antioxidants and macromolecules.<sup>1,2</sup> The combination of hyaluronan and human serum albumin (HSA) in culture medium has been shown to significantly increase embryo development.<sup>3,4</sup>

SAGE 1-Step™ medium provides an environment to support continuous embryo culture from zygote to blastocyst formation, through to transfer and utilization.<sup>3,5</sup>

## Product Specifications

- Recommended pH: 7.3±0.1
- HSA: 5 mg/mL
- Osmolality: 257–273 mOsm/kg
- Mouse embryo assay (MEA): >80% (BL Rate/1-cell)
- Shelf life: 26 weeks from manufacture, 7 days from opening

### Components

- Sodium hyaluronate
- HSA
- Physiological salts
- Energy substrates
- EDTA
- Gentamicin sulfate
- Phenol red
- Essential amino acids
- Non-essential amino acids
- Antioxidants

Product Code	Product Name	Volume (mL)	Article Description
67010010	SAGE 1-Step	10	With HSA and phenol red
67010060	SAGE 1-Step	60	With HSA and phenol red

### References

1. Agarwal, A., et al. (2014) Utility of antioxidants during assisted reproductive techniques: an evidence-based review. *Reprod Biol Endocrinol.* 12:112.
2. Quinn, P. (2012) Culture Systems: Sequential Embryo Culture: Methods and Protocols. *Methods in Molecular Biology.* Vol. 912, pp: 211–230.
3. Lane, M. and Gardner, D.K. (2007) Embryo culture medium: which is the best? *Best Practice & Research Clinical Obstetrics and Gynecology.* Vol. 21, No. 1, pp. 83e100.
4. Fouladi-Nashta, A.A., et al. (2017) Regulation and roles of the hyaluronan system in mammalian reproduction. *Reproduction,* Feb; 153, pp. R43–R58.
5. Gruber, I., and Klein, M. (2011) Embryo Culture media for human IVF: which possibilities exist? *J Turk Ger Gynecol Assoc.* 12(2):110–117.

© CooperSurgical, Inc. The trademarks used herein are the property of CooperSurgical, Inc. All rights reserved · Order No. C-GL-CSI-000146 · March 30, 2026. All information correct at time of print. Specifications are subject to change without notice or obligation on the part of the manufacturer.

CooperSurgical, Inc. | [coopersurgical.com](http://coopersurgical.com)



CooperSurgical®

