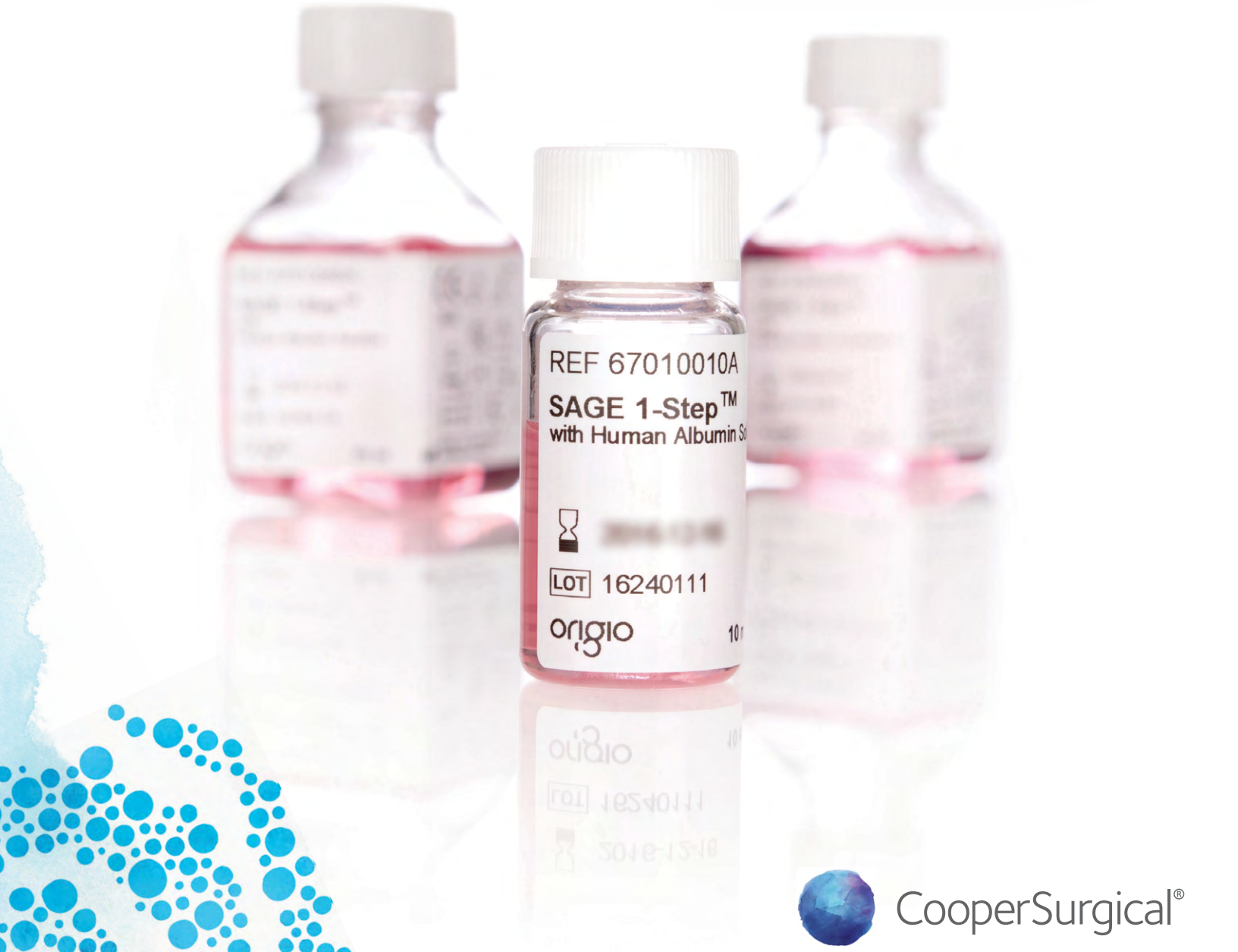
SAGE 1-STEP™ MEDIUM

A refined, robust, single-step medium with hyaluronan



CooperSurgical®

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 desiged with an optimized combination of nutrients, amino acids, antioxidants and macromolecules.[1,2] The combination of hyaluronan and human serum albumin (HSA) in culture medium has been shown to significantly increase embryo development.[3,4]

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

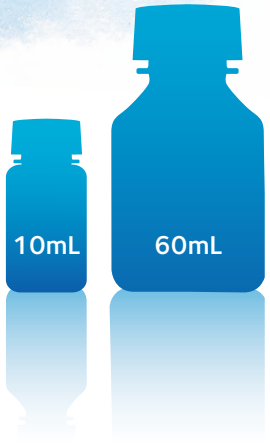
Product Specifications

- 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

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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.*1;12(2):110–117.

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