

## SAR IVM medium

### Product Description

**SAR IVM medium** (Catalog#: SAR IVM 01, 02) is **Simple and Reliable (SAR)** medium for oocyte maturation *in vitro* (IVM). It is specifically designed for a **bovine *in vitro* fertilization (IVF)** process. A high blastocyst development rate is guaranteed. This medium is developed with Renova Life Inc. (RLI) standardized recipes that have been proven to be perfectly suitable for *in vitro* production of bovine embryos in several peer-reviewed publications. Years of our research and experience have been put into the development of this medium, offering you the best quality and performance for IVM/IVF/IVC. Specifically tested embryo-water and embryo-bovine serum albumin (BSA) are used in our RLI in-house SAR IVM/IVF/IVC products, which have been well tested for bovine IVF and embryo culture *in vitro* and for making IVF and OPU-IVF embryos for cryopreservation and embryo transfer practices.

RLI **SAR IVM medium** is a constant high quality product, ideal for oocyte maturation and production of embryos *in vitro*. It is prepared for commercial and research use. RLI **SAR IVM medium** has been prepackaged as follows: SAR IVM 01 1 mL/vial, 5 vials; SAR IVM 02, 4 mL/vial, 5 vials.

**SAR IVM** contains Medium 199 (M199) with Earle's salts, L-glutamine, sodium bicarbonate, and HEPES, supplemented with 10% (v/v) fetal calf serum, 0.5 µg/mL ovine FSH, 5.0 µg/mL ovine LH and 1.0 µg/mL estradiol and other small molecules that promote oocyte maturation *in vitro*.

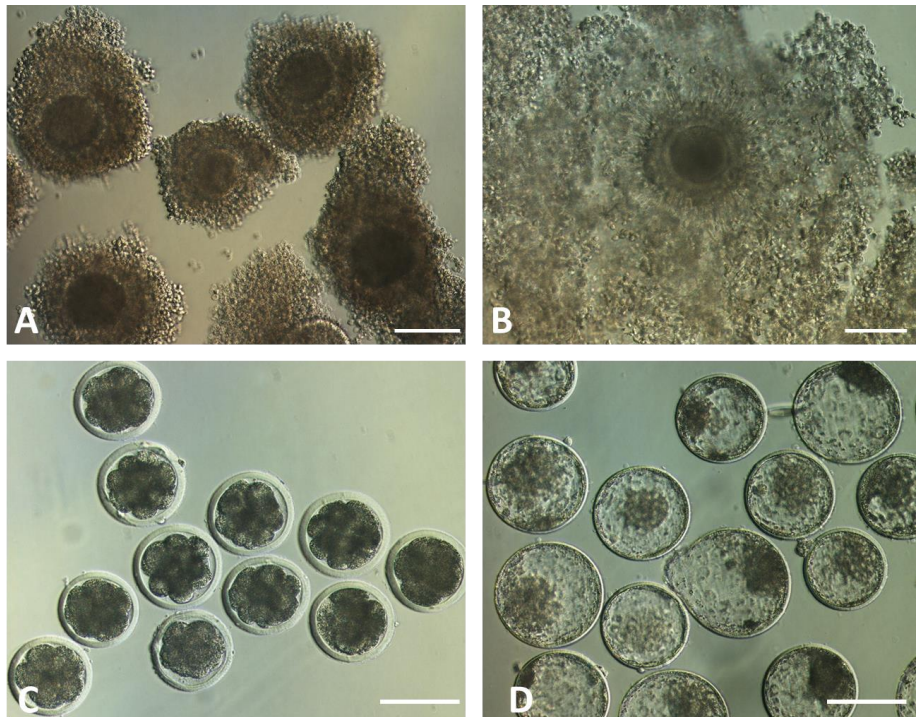
Storage temperature: **-20°C upon arrival**. Expiration date: **2 months** after production date.

**Cat # SAR IVM 01**

1 mL/vial, 5 vials, \$80.00 plus S&H

**Cat # SAR IVM 02**

4 mL/vial, 5 vials, \$250.00 plus S&H



**Bovine IVF Embryo Production.** Bovine cumulus-oocyte complexes were collected by OPU from donor animals (A), and matured for 22-24h with **SAR IVM** prior to IVF (B), showing expanding of cumulus cells. The embryos cleaved to 8-celled stage after 44 h culture *in vitro* (C), and they developed to blastocyst stage on Day 7 (D). Oocytes were fertilized in our serum-free **SAR IVF** medium containing 6 mg/mL BSA-embryo under a condition of 5% O<sub>2</sub>, at 39°C for 18 hours. Embryos then were cultured in our **SAR IVC** serum-free medium containing 6 mg/mL BSA-embryo under a condition of mixed gases of 5% CO<sub>2</sub>, 5% O<sub>2</sub>, and 90% N<sub>2</sub>, at 39°C for 7 days.

Ordering Information:

Payment Information:

[http://www.renovalife.com/SAR\\_IVM.php](http://www.renovalife.com/SAR_IVM.php)

Send your order by email: [info@renovalife.com](mailto:info@renovalife.com)

By fax: 301-576-5078

By phone: 301-246-0868

Mon.-Fri. 9:00Am-5:00Pm Eastern time

We accept Visa, MasterCard, Discover, American express cards and company checks (make check payable to: Renova Life Inc.)

