

**PRODUCT CATALOGUE**

# Culture Medium

## IVM for GV and MI Stage Oocytes



- Culture medium for in vitro maturation of immature oocytes.
- Pre-supplemented with FSH and LH. Ready-to-use medium.

REF	Code	Description	Contents
93032	SK-IVMC-10	IVM Medium with Recombinant Human Albumin	10mL×2

### COMPONENTS

Adenine sulfate / Adenosine-5-phosphate /  
 Adenosine-5-triphosphate / Amino acids / Calcium chloride /  
 Cholesterol / D-Glucose / FSH / Gentamicin / Glutathione /  
 Guanine / Iron(III) nitrate / LH / Magnesium sulfate /  
 Potassium chloride / Recombinant Human Albumin /  
 Sodium acetate / Sodium bicarbonate / Sodium chloride /  
 Sodium dihydrogen phosphate / Thymine / Tween 80 /  
 2-deoxy-D-ribose /  $\beta$ -Estradiol

### QUALITY CONTROL

Sterility test / pH 7.20-7.60 / Osmolarity 270-295mOsm/L /  
 Endotoxin <0.25EU/mL / Mouse embryo assay  $\geq$ 80%  
**Storage:** 2-8°C  
**Shelf Life:** 4 months

## RESULT

### Outcome of GV stage oocytes derived from small follicles using SK-IVMC

Contents	N	Results
No. of cycles (No. of cultured GV oocytes)	5167	2104
Maturation rate	5167	37.8%
Normal fertilization rate	1955	78.7%
Day 2 cleavage ( $\geq$ 4-Cell) rate	1538	84.0%
Blastocyst rate	1292	21.3%
Good blastocyst rate	1292	10.7%

Average age: 38.6 $\pm$  4.4

\* IVM oocytes included denuded GV

Reference: Shinbashi Yume Clinic

Specification may change without pre-notice for purpose of product improvement.

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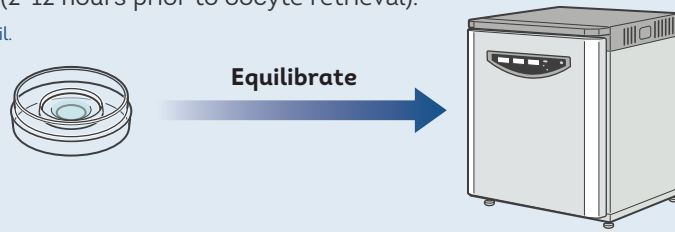
[Mail contact@kitazato.co.jp](mailto:contact@kitazato.co.jp)

# PROTOCOL

Example of use: 5-6% CO<sub>2</sub> (in a CO<sub>2</sub> incubator or multi gas incubator)

**01** Prepare 1mL of SK-IVMC in the center of Center Well Dish EZ and let it equilibrate in the incubator for a minimum of 2 hours. (2-12 hours prior to oocyte retrieval).

\* Do not cover the medium with oil.



**02** Assess maturation at the time of oocyte retrieval.

For cumulus cell-oocyte complexes (COCs) with compact cumulus mass, perform in-vitro maturation with SK-IVM. **(Fig. 1)**

For COCs with expanded cumulus mass, use Hyaluronidase to partially remove the surroundings, leaving approximately two layers of the cells to confirm their maturation stage (GV, MI, MII).

**GV-stage oocytes:** Perform in-vitro maturation with SK-IVM. **(Fig. 1)**

**MI-stage oocytes:** Perform in-vitro maturation with SK-IVM. **(Fig. 2)**

After maturation to MII oocytes and confirmation of polar bodies, proceed to ICSI following your laboratory procedures.

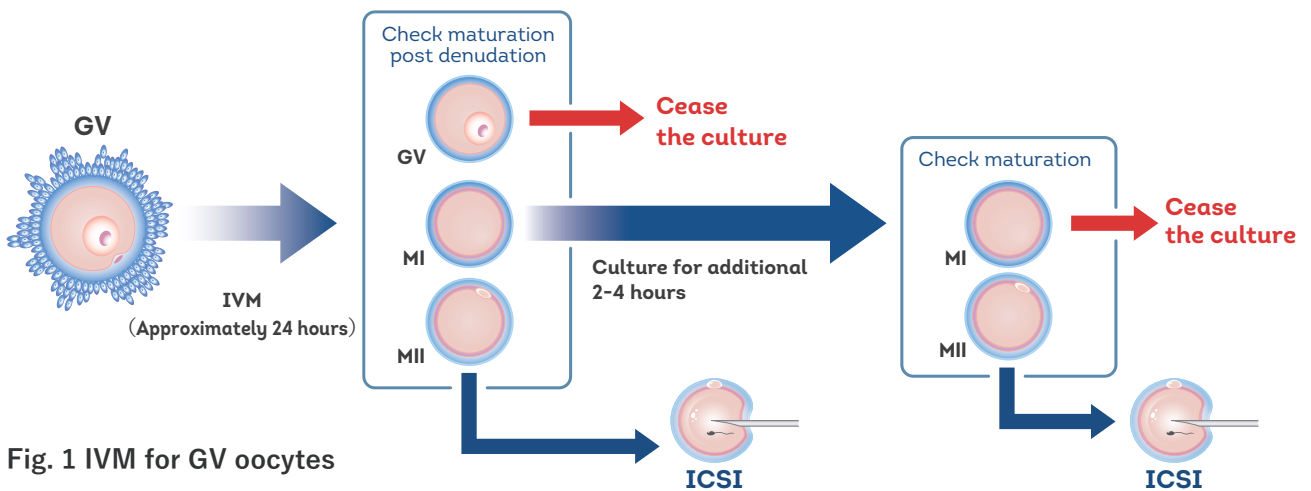


Fig. 1 IVM for GV oocytes

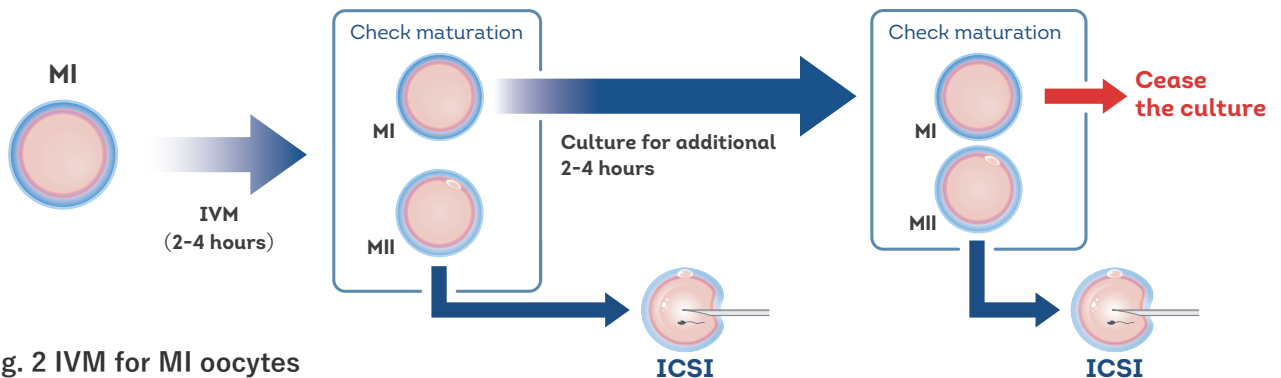


Fig. 2 IVM for MI oocytes

## RELATED PRODUCTS

- Center well dish (REF. 1502045)
- Hyaluronidase HYB-05\*5 (REF. 94112)
- Center well dish EZ (REF. 1502055)