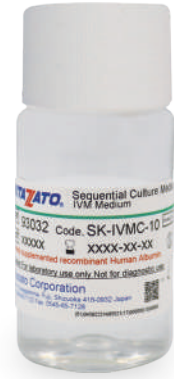


PRODUCT CATALOGUE

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 / β -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± 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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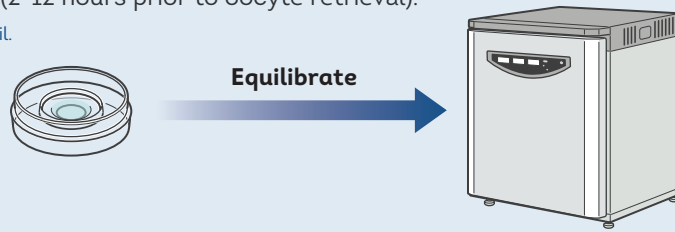
Mail contact@kitazato.co.jp

PROTOCOL

Example of use: 5-6% CO₂ (in a CO₂ 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.

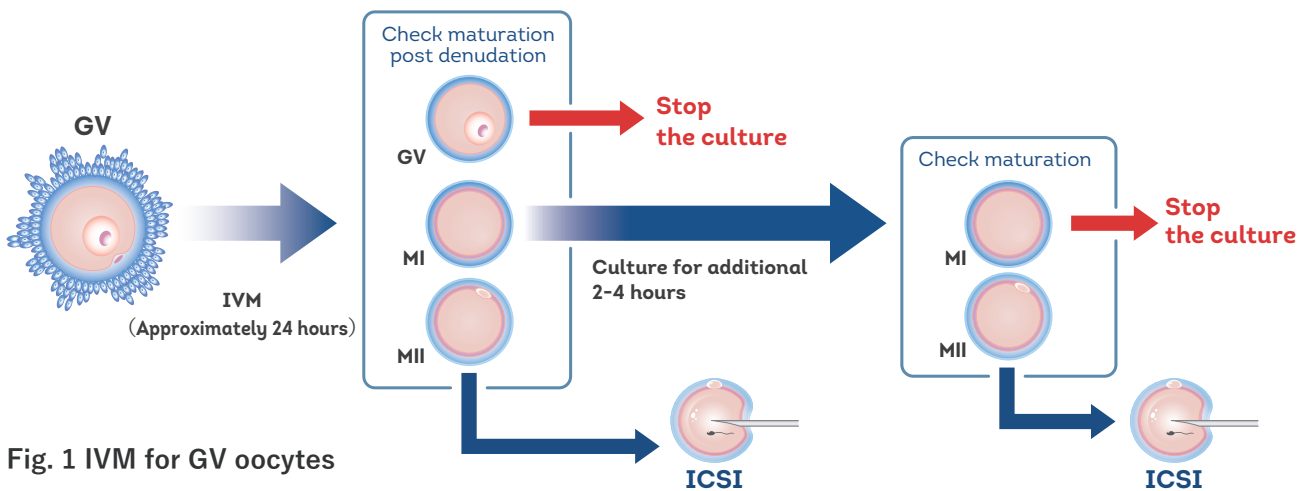


Fig. 1 IVM for GV oocytes

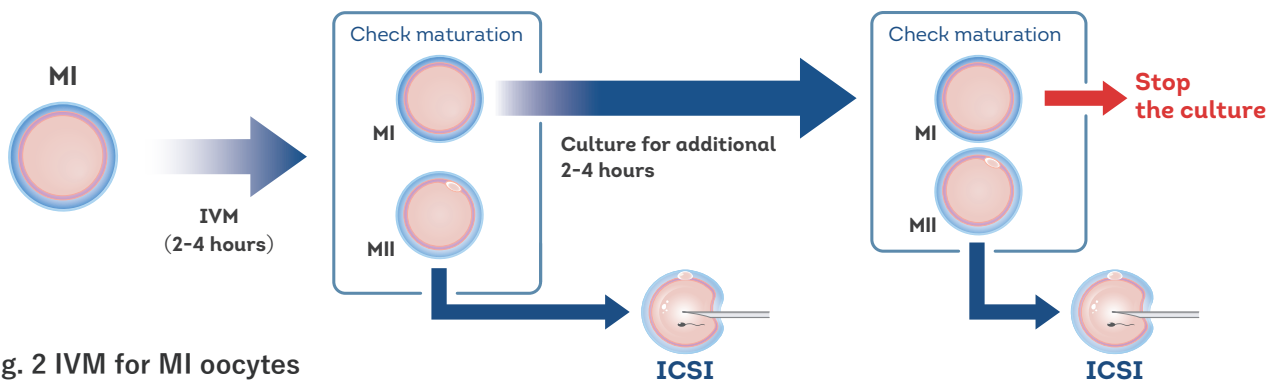


Fig. 2 IVM for MI oocytes

RELATED PRODUCTS

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