

PRODUCT CATALOGUE

Calcium Ionophore

- In the process with Calcium Ionophore, oocytes are activated with Calcium Ion.
- Light shielding glass is used to prevent deterioration of quality by light. Air tightness is kept in the bottle container.
- Concentration is 10μM.



*Calcium Ionophore is sensitive to light, so the product needs to be handled with care.

REF	Code	Details	Environment to be Used In	Contents
94251	CIR-10	Calcium Ionophore with Phenol Red	in CO2 incubator	10mL
94260	CIM-10	Calcium Ionophore with HEPES	in air	10mL

COMPONENTS

Calcium / Calcium chloride / Dextran / DMSO / Gentamicin / Glucose /
Magnesium sulfate / Potassium chloride / Potassium phosphate /
Sodium bicarbonate / Sodium chloride / Sodium lactate / Sodium pyruvate
/ (Phenol Red : CIR-10 / HEPES : CIM-10)

QUALITY CONTROL

pH 7.2-7.6 / Osmolarity 270-295mOsm/L /
Endotoxin <0.25EU/mL /
Mouse Embryo Assay ≥ 80% / Sterility Test
Storage : 2-8°C
Shelf Life : CIR-10 = 4 months, CIM-10 = 8 months

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

Kitazato Corporation

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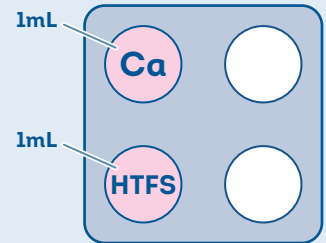
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PROTOCOL

For culture in 5-6% CO₂ (CO₂ incubator or Multi Gas incubator) Applicable product: REF 94251, Code. CIR-10

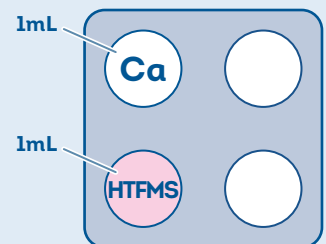
- 01** Before ICSI procedure, ^{*1}disperse 1mL of Calcium Ionophore (CIR-10) [Ca] and HTF medium [M] (HTFS, REF.93441) respectively in a 4 well dish. Equilibrate the dish in the incubator for 3-4 hours.
- 02** 15-30 min after ICSI, transfer the oocyte to the pre-equilibrated Calcium Ionophore and culture in the incubator for 15 min.
- 03** After equilibration, wash the oocyte. Follow your laboratory protocol for culture.



^{*1}In order to prevent evaporation, cover the surface of the media with Hypure™ Oil (Heavy, REF.93621, Light, REF.93521)

For culture in air Applicable product: REF 94260, Code. CIM-10

- 01** Before ICSI procedure, ^{*1}disperse 1mL of Calcium Ionophore (CIM-10) [Ca] and modified HTF medium [M] (HTFM, REF.93443) respectively in a 4 well dish. Shield the dish from the light and ^{*2}warm the dish to 37°C.
- 02** 15-30 min after ICSI, transfer the oocyte to the pre-warmed Calcium Ionophore and culture for 15 min. Make sure to keep the dish from light during the culture.
- 03** After equilibration, wash the oocyte. Follow your laboratory protocol for culture.



^{*1}In order to prevent evaporation, cover the surface of the media with Hypure™ Oil (Heavy, REF.93621, Light, REF.93521)

^{*2}It will take more than 30 minutes for the media to be warmed