

## 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 10 $\mu$ M.



\*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  $\geq$  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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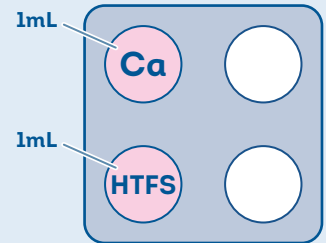
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# PROTOCOL

## For culture in 5-6% CO<sub>2</sub> (CO<sub>2</sub> incubator or Multi Gas incubator) Applicable product: REF 94251, Code. CIR-10

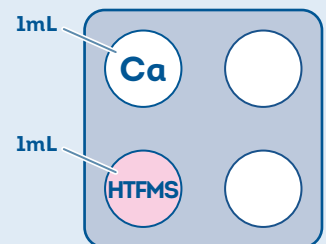
- 01** Before ICSI procedure, <sup>\*1</sup>disperse 1mL of Calcium Ionophore (CIR-10) [Ca] and HTF medium [M] (HTFS, REF.93441) respectively in a 4 well dish. Equilibrate the dish in the incubator for 3-4 hours.
- 02** 15-30 min after ICSI, transfer the oocyte to the pre-equilibrated Calcium Ionophore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



<sup>\*1</sup>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, <sup>\*1</sup>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 <sup>\*2</sup>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.



<sup>\*1</sup>In order to prevent evaporation, cover the surface of the media with Hypure™ Oil (Heavy, REF.93621, Light, REF.93521)

<sup>\*2</sup>It will take more than 30 minutes for the media to be warmed