

Cell Culture

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 CO ₂ incubator	10mL
94260	CIM-10	Calcium Ionophore with HEPES	in air	10mL

COMPONENTS

Calcium Chloride / Calcium / 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 270-295 mOsm/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

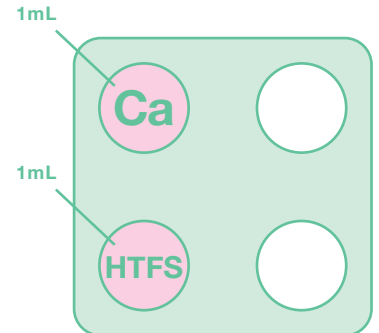
Calcium Ionophore Instruction for Use

For culture in 5-6% CO₂ (CO₂ incubator or Multi Gas incubator)

Applicable product: REF 94251, Code. CIR-10

- 1 Before ICSI procedure, *¹dispense 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.
- 2 15-30 min after ICSI, transfer the oocyte to the pre-equilibrated Calcium Ionophore and culture in the incubator for 15 min.
- 3 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

- 1 Before ICSI procedure, *¹dispense 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 *²warm the dish to 37°C .
- 2 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.
- 3 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, Order No. 93621, Light, Order No. 93521)

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

