

Micro Manipulation

Acidified Tyrode's pH 2.5

- For opening of zona pellucida.
- pH is adjusted to 2.5 rigorously.



REF	Code	Details	Contents
94211	TA-05x5	Acidified Tyrode's (pH2.5)	0.5mLx5

COMPONENTS

Calcium Chloride / Gentamicin / Glucose / Magnesium Chloride / Polyvinylpyrrolidone / Potassium Chloride / Sodium Chloride

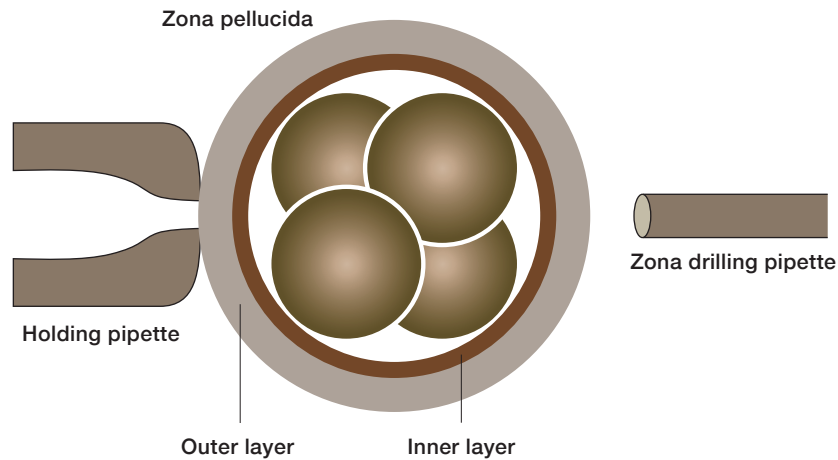
QUALITY CONTROL

pH 2.2-2.8 / Osmolarity 270-295mOsm/L / Endotoxin <0.25EU/mL / Mouse Embryo Assay ≥80% / Sterility Test

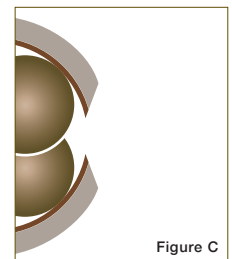
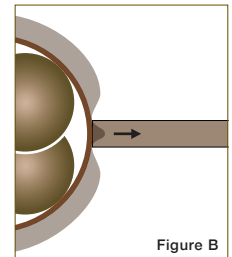
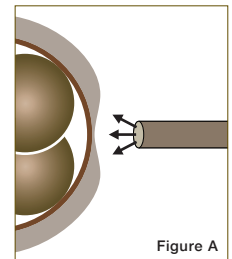
Storage: 2-8°C / Shelf Life: 6 months

Acidified Tyrode's pH2.5

Opening of zona pellucida / Assisted Hatching process



- 1 Hold an embryo with a holding pipette.
- 2 Aspirate the Acidified Tyrode's with a zona drilling pipette.
- 3 Move the pipette closer to the embryo from 3 o'clock position. Apply the Acidified Tyrode's to the embryo in the range of 30-50µm (See Figure A)
- 4 Once the zona pellucida of the embryo starts to dissolve, move the micro pipette up and down to open the zona. The opening should be about 1/2 - 2/3 size of a blastomere cell from 8-Cell stage (OD ≈ 30µm)*.
- 5 When the outer layer of the zona pellucida is dissolved and reached the inner layer, stop applying the Acidified Tyrode's and set the tip of the micropipette to the surface of the membrane. Then aspirate the membrane (Figure B) to open the inner layer (Figure C).



*Try to blow out equal volume of the Acidified Tyrode's and not have excess volume in one point.

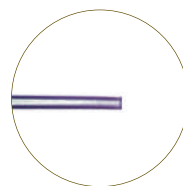
OTHER PRODUCTS



ICSI Holding Pipette

Manufactured with special process in order to hold the oocytes flat and horizontal.

REF	Code	ID (µm)	OD (µm)	Contents
71100	MT-HD30	15	100	10pcs / box



Zona Drilling

Pipette to partially cut the zona pellucida in Assisted Hatching.

REF	Code	ID (µm)	OD (µm)	Contents
71200	MT-AHA30	6	9	10pcs / box