

ZEUS ELECTROLIQUID SOLUTION**INTENDED USE**

This product is to be used for inducing calcium oscillation in oocyte.

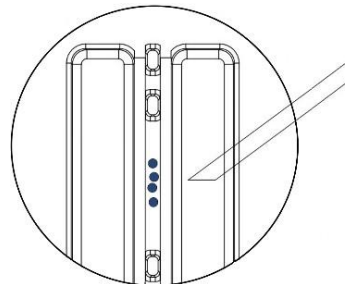
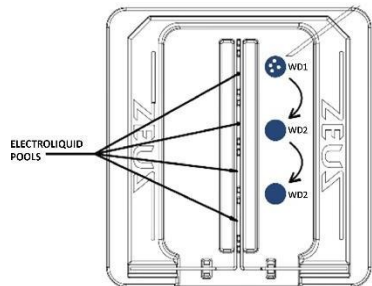
DILUTION OF LYOPHILIZED ES**ELECTROLIQUID SOLUTION
(PREPARATION AND USAGE)**

Add the entire 2 ml of sterile distilled water into the ES tube containing the (lyophilized) powder using a micropipette with a sterile, filtered pipette tip. Vortex the tube for 2 minutes until the powder is completely dissolved. In the absence of a vortex device, manually shake the tube for a minimum of 10 minutes to ensure complete homogenization and verify that the powder is fully dissolved and no longer visibly present. From this point onward, the prepared electrolyte solution has a shelf life of 2 months. You may store the solution at +4°C.

Below are the instructions for use of the prepared “Zeus Electroliquid Solution”.

INSTRUCTIONS FOR USE OF ZEUS ELECTROLIQUID SOLUTION

1. Warm the Electroliquid Solution (ES) for a minimum of 30 minutes at 37°C prior to use.
2. Using a micropipette, prepare 30 μ L ES droplets on the Electro Dish (ED), one droplet per channel.
3. Prepare 4x40 μ l additional washing droplets (WD) with ES on the appropriate area of ED.
4. Aspirate cells from culture media 20-30 minutes following ICSI procedure and gently place it into the bottom of the first washing droplet. The oocytes are washed within the droplets by gently aspirating and releasing them using a pipette.
5. After gradual adaptation place oocytes into ES droplet in the channel.
6. Place ED on the stage of invert microscope and conduct cable plugs to electrodes.
7. Keep visualizing the oocytes during the procedure. Apply electrical stimulation according to instructions in Appendix.
8. Immediately after stimulation, aspirate the oocytes to the culture dish. After washing with culture media, perform conventional embryo culture procedure.



QUALITY CONTROL SPECIFICATION

Sterility by the current USP sterility test

Osmolality, pH USP, LAL test, MEA test

STORAGE INSTRUCTIONS AND STABILITY

Store the vials at 2-8°C

This product is stable until the expiry date shown in the labelling on the vial

COMPOSITION

HEPES with mannitol, MgSO₄, CaCl₂ and HSA

CONTRAINDICATION

Do not re-sterilize

Do not re-use

Do not use the solution if it shows cloudiness or has turned yellow.

Do not use the product if you notice anything unusual regarding specifications on the label

Do not use if the package or container are opened or damaged

Upon delivery, media must be stored in original unopened container and refrigerated at 2-8°C

Do not use the product if passed the expiration date

WARNING

Read the instruction for use prior to use

Aseptic technique should be used

Use sterilized equipment and materials only

Observe all local environmental regulations when discarding

APPENDIX (Electrical Stimulation)

Stabilize the ED on the stage of invert microscope and conduct electrode cables.

Press “LOAD” button to initialize the instrument.

Press “APPLY” button for electrical stimulation.

Wait until the completion of procedure following the “LOADING BAR”.

Remove ED carefully and perform conventional washing and culture procedure.