VitaVitro® Micro Well Dish

Indications for Use

The VitaVitro Micro Well Dish is an advanced culture dish designed for IVF that allows group culture of embryos while maintaining individual separation between the embryos and re-creates the three-dimensional in vivo environment for embryos. The VitaVitro Micro Well Dish has 2 circular wall without micro-well, which designed for efficient embryo equilibration and preparation before and after the culture period, respectively. The wall may reduce droplet collapsing/mixing, offer better orientation. The VitaVitro Micro Well Dish has 3 circular wall with micro wells. The flat-bottom microwells are designed for individual microscopic evaluation or timelapse follow-up, providing options for special needs. The inverted cone micro wells give an independent micro-environment for embryo culture, benefiting from a range of advantages that come with replicating the in vivo microenvironment.

Warining

1. This device to sale by or on the order of a physician (or properly licensed practitioner).
2. The user should read and understand the Instructions for Use, Warning, and be trained in the correct procedure before using the VitaVitro Micro Well Dish.
3. Do not use the product if the product packaging appears damaged or broken.
4. For single use only.
5. Do not use after expiry date.
6. To avoid problems with contamination, practice aseptic techniques.
7. Discard the dish according to standard clinical practice for medical hazardous waste when the procedure is finished.

Storage and Shelf Life

Store at room temperature. The shelf life is 2 year from time of manufacture.

Composition

The VitaVitro Micro Well Dish is constructed of polystyrene and is non-pyrogenic. It has passed USP class VI testing and is sterilized by gamma irradiation.

Quality Control Testing

Sterility tested Passed

LAL Endotoxin<0.25EU/ml

1-cell Mouse Embryo Assay (% blastocysts at 96 h of culture) ⩾80%

Instruction for Use

1. Open the packing

The packing must be opened in a sterile environment at ambient temperature and humidity. The dishes should remain covered with the lids until they are loaded with the culture medium and oil.

2. Marking the VitaVitro Micro Well Dish for Embryo and Patient Identification

Patient identification can be writing on the lid of the VitaVitro Micro Well Dish. Make sure the mark does not block the central circular wall. There is a logo at the 12 o’ clock position designed to assist the user in orientation each circular wall.

3. Pipetting Culture Medium and Oil into the into the VitaVitro Micro Well Dish

The culture medium is first pipetted into the circular wall (avoid adding medium directly to micropores) and then covered with oil. Pipette 50-100 µl of culture medium into each of the circular wall. Pipette 3 ml of oil into the dish overlaying the droplet.

4. Transfer Embryos into the VitaVitro Micro Well Dish

Embryos can be transfer in and out of the micro-wells of the VitaVitro Micro Well Dish using any type of pipetting device or technique commonly used in the IVF laboratory. Care should be taken not to scratch the dish bottom during transfer. Generating plastic debris from scratches may adhere to embryos and scratches may hinder visualization.

For technical support

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