

■ Used for vitrification and storage of ovarian tissues

# Ova Cryo Kit

February 13, 2017 Ver.1

## VT301S

### Indication for Use

Ova Cryo Kit is used for vitrification and storage of ovarian tissues

### VT301S

Step1: Cryo1 20mL  
Step2: Cryo2 20mL  
Step3: Cryo3 20mL

### Recommended equipment

Ova Cryo Device Type M(ODT)

### Quality Control Specification

Each lot of Ova Cryo Kit receives the following tests

- pH
- Osmolality
- Endotoxin by Photometric Techniques
- Sterility by the current USP Sterility Test <71>
- Mouse Embryo Assay(one cell)

### Storage instructions and stability

- Store at 2-8 °C.
- Sterile until the expiration date shown on the label if the package is unopened or undamaged.

### Composition-VT301S

- Medium199
- SSS
- Ethylene glycol
- Gentamicin
- Sucrose
- Polyvinylpyrrolidone

### Instructions for Use

#### Preparation

- Bring Cryo1, Cryo2 and Cryo3 to room temperature (25-27°C).
- Label dishes "Cryo1" and "Cryo2" and put full content of the media in the respective dishes.
- Once you have cortex without medulla, use surgical knife and cut it into 1cm x 1cm size.

### Instruction for Use

#### Equilibration of ovarian tissue

1. Wipe the ovarian tissue with gauze and transfer the tissue into Cryo1. Let the tissue remain in Cryo1 for 5 min.
2. Take the tissue in Cryo1, remove excess medium at the brim of the dish, and transfer it into Cryo2. Let the tissue remain in the Cryo2 for 5 min.
3. Take the tissue in Cryo2, remove excess medium at the brim of the dish, and transfer the tissue into Cryo3. Let the tissue remain in the Cryo3 for 15 min.
4. Prepare ODT and liquid nitrogen while you wait for equilibration of ovarian tissue.

#### Vitrification of ovarian tissue







1. Prepare the number of ODT that matches the number of ovarian tissue prepared. Mark all ODT vials with patient ID.
2. Wipe the ovarian tissue with gauze. Place the ovarian tissue on ODT spreading and maximizing its surface area. The ovarian tissue should be placed more to the metal tip to avoid placing it next to the cap part where metals are embedded. Leave 5mm space from the cap part.
3. Hold the cap of ODT with tweezers and plunge into liquid nitrogen.

**NOTE:** Plunge ODT into liquid nitrogen from the surface ovarian tissue is placed on This will avoid the tissue from coming off ODT.

**NOTE:** In case ovarian tissue came off ODT, place the ovarian tissue in the vial first, then close the cap.

**NOTE:** After plunging ODT into liquid nitrogen, shake it about, removing the surrounding air.

**CAUTION:** The detailed usage of Ova Cryo Kit is determined based on each laboratory's procedures and protocols that are optimized for individual medical purposes.

	Sterilized Using Aseptic Processing Techniques
	Do not reuse
	Catalog Number
	Batch Code
	Use by
	Storage Temperature

### Warning

- Do not re-use. Re-use may cause change in product quality and raise the risk of poor embryo survival rate.
- No re-sterilization.
- Do not use solution that shows cloudiness.
- Do not use if packaging is broken.
- Discard the remaining media after completion of procedure.
- Observe all federal, state and local environmental regulations when discarding the product.

### Cautions

- Read the instructions for use prior to use.
- This product is intended to be used by only medical specialist of fertility treatment.
- Aseptic technique should be used.
- Use sterilized equipment, materials and items.
- Decontaminate the workroom.
- Follow procedures in an environmentally controlled room.
- The long term safety is unknown.

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