

VITRIFICATION DEVICE



CRYOLOCK®

Vitrification is a technology that continues to gain popularity, not only for egg freezing, but embryo cryopreservation as well. This is where CryoLock®, a useful and practical tool, makes the vitrification process more comfortable and efficient; it has been designed and developed specifically for use in human IVF Labs and research centers. It can also be used for storage of oocytes and embryos under liquid nitrogen conditions with or without nitrogen contact.

CryoLock® and its secure cap were designed in order to ensure maximum safety of the specimens in storage. CryoLocks are available in sterile and sealed packages of 5 units, ready to use in human IVF and research labs.



The CryoLock® features are:

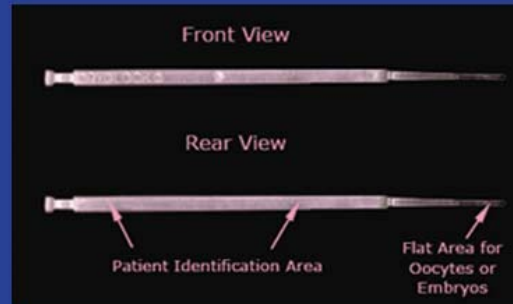
1. Manufactured in a single piece and plastic injection between 180°C and 260°C avoiding contamination and presence of impurities.
2. Slots in the ends of the CryoLock® and top for better manipulation avoiding the risk that these loosen or fall during their use or storage.
3. Exclusive cap design and perfect fit.
4. Greater surface of writing for easy patient identification.
5. 5 CryoLock® per pack dully sterilized.



USE OF CRYOLOCK®

It has two parts: Body and Cap

1. Each one labeled CryoLock® and an indentation designed for holding the CryoLock® with forceps in a safer way.
2. CryoLock® Body
 - a. Find the label CryoLock®, and on the opposite side, label the Patient ID, name, etc.
 - b. Don't touch the CryoLock® tip.



VITRIFICATION

1. After follows all the protocol steps, take the CryoLock® by the labeled side with patient's name facing up.



2. Put the oocytes or embryos near to the black mark with the minimal amount possible of vitrification solution (2 µl aprox.) The black mark makes easier the cover up.
3. Immediately plunge the CryoLock® into liquid nitrogen holding the CryoLock®.
4. Grab the cap with forceps and plunge it into the liquid nitrogen until stops burbling, be aware don't take the CryoLock® out of the LN while covering up, twist and lock gently.
5. Place the CryoLock® inside the goblet with the cap facing down. Store for desiring time.

THAWING

1. Take out the patient's canister from the Dewar and place it into a Styrofoam box with LN covering completely the CryoLocks®.
2. With forceps grab the CryoLock® body from the indentation and take it off from the goblet.
3. With forceps grab the cap from the indentation, and twist it pulling down without take the CryoLock® body out the LN, leave it always inside the Liquid Nitrogen.
4. Take off quickly the CryoLock® from liquid nitrogen and pass it to thawing solution at 37°C and follow the protocol.

