



### Removing Units from the Shipper:

Please read all enclosed paperwork included in the shipment prior to removal of the samples for thawing and use. Use of cryogloves to handle the nitrogen cooled canes and cryovials is recommended. Use of safety glasses is also recommended.

To remove a specimen from the nitrogen container, follow these steps:

1. Remove the lid of the liquid nitrogen container by pulling straight up (do not twist).
2. Lift the canister so that the tops of the canes are visible for identification. Do not lift the top of the canes above the top of the liquid nitrogen container opening; this may result in premature thawing.
3. After identification of the desired cane, grasp the cane by the top and lift above the opening of the container sufficiently to expose the uppermost cryovial. It is recommended to only expose the cryovial you wish to retrieve. Any cryovial(s) below the top one should not be lifted above the opening of the container.
4. Check the packing slip and compare it to the number of cryovials in the canister- some units may have fallen off the canes during shipping and are at the bottom of the canister.
5. Once exposed, use cooled forceps to grasp the cryovial and remove it from the aluminum cane holder. Replace the cane into the canister as quickly as possible, lower the canister to the bottom of the nitrogen container and replace the container top securely.
6. Wrap the vial in a paper towel for several seconds.
7. Follow the thaw procedure as listed below:

### THAW PROCEDURE “V”

1. Always keep the vial in an upright orientation while thawing.
2. Place the frozen vial in a dry block at 37° Celsius for 10 minutes. Remove from the thaw block promptly after thawing.
3. Once the specimen has thawed completely, wipe any condensation from the outside of the cryovial and then unscrew the cryovial cap. Gently, but thoroughly, mix each specimen in its respective cryovial using a vortex or by pipetting up and down using a 200 ul pipet tip or sterile 1 ml pipette, before removing semen from the cryovial. Prompt use of the specimen is recommended for best results.
4. Perform a post-thaw evaluation at the time of thaw and before any additional processing. Place 10 µl of the recently mixed specimen on a microscope slide, cover with a 22 x 22 mm cover slip, place on 36° C slide warmer, and allow to equilibrate for 5 minutes. Determine total motility and follow individual lab protocol using the preferred counting chambers to determine total concentration.
5. Verify the specimen identification prior to insemination.

### NOTE:

If your clinic does not have a dry block, the following alternates may be used. Please be aware that sub-optimal results may be achieved. **Use of a water bath is never acceptable.**

Alternate 1 – thaw in a 37° C incubator. Remove from the incubator promptly after thawing.

Alternate 2 – thaw at Room Temperature on a counter top for 15-20 minutes or until completely thawed.

**Fairfax Cryobank, Inc. hereafter known as “Cryobank” Specimen Quality Standards**

Terms and conditions of the Cryobank Anonymous and ID Option specimen quality standards are as follows:

<i>Fairfax Cryobank, Inc. Brand Specimen Quality Standards</i>		
<b>Specimen Prep Type</b>	<b>Minimum Total Motile Cells/ milliliter (TMC)*</b>	<b>Clinical Use</b>
IUI	20 million/mL (10 million/vial)	Pre-washed vials, ready for intrauterine insemination
ICI	20 million/mL (10 million/vial)	Ready for intracervical insemination OR can be washed for use as an IUI specimen
IVF	5 million TMC/vial	Ready for intracervical insemination or can be washed for use as an IUI or IVF or IVF with ICSI
IUI ART	> 6 million/vial	Ready for IUI individually or combined, or can be washed post thaw and used for IVF with/without ICSI
ICI ART	> 6 million/vial	Ready for ICI individually or combined, or can be washed post thaw and used for IUI or IVF with/without ICSI

<i>Cryogenic Laboratories, Inc. (CLI) Brand Specimen Quality Standards</i>		
<b>Specimen Prep Type</b>	<b>Total Motile Cells/vial (TMC)</b>	<b>Clinical Use</b>
IUI	10 million/vial	Pre-washed vials, ready for intrauterine insemination
ICI	18 million/vial	Ready for intracervical insemination OR can be washed for use as an IUI specimen
IVF	5 million/vial	Ready for intracervical insemination or can be washed for use as an IUI or IVF or IVF with ICSI
IUI ART	> 6 million/vial	Ready for IUI individually or combined, or can be washed post thaw and used for IVF with/without ICSI
ICI ART	> 6 million/vial	Ready for ICI individually or combined, or can be washed post thaw and used for IUI or IVF with/without ICSI

- a. Sperm counts will vary 10-30% depending on the lab personnel and counting method. Laboratory variation is expected and taken into consideration when processing complaints. The possibility exists that sperm counts performed at other laboratories may be less than the stated specimen standards. Semen is not a homogenous or uniform mixture which adds to sample variability. A variation in count does not indicate the specimen is not suitable for insemination or that a pregnancy will not result if used for an insemination. Cryobank takes these variations into account when determining eligibility for refund or credit.
- b. The physician/clinic must follow the Cryobank's printed thaw procedures enclosed in each shipment. Thaw procedures may vary among specimen types.

