EMBRYOTECH LABORATORIES

PRODUCT THAWING INSTRUCTIONS

⚠ CAUTION

RECOMMENDED PPE:
CRYOGENIC GLOVES AND EYE PROTECTION.

Because of the delicate nature of the ova and/or embryos, it is important that all instructions be followed.

THAW ALERT™

To ensure that each shipment of ova and/or embryos arrives at the proper temperature, Embryotech has devised a unique and simple method - the ThawAlert straw.

With every shipment of ova and/or embryos, a ThawAlert straw will be placed in a designated cane.

Each ThawAlert straw has been prepared in such a way that two metal beads are frozen in place just below the cotton plug and above a line marked on the straw.

Fill the shipper with liquid nitrogen.

Locate the cane and remove the ThawAlert straw and check the position of the two metal beads (see Figure 1).

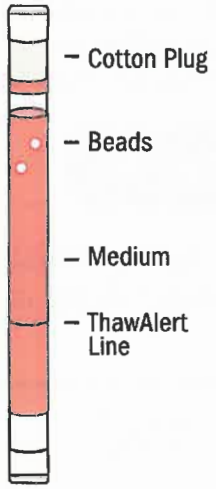
If the appropriate temperature was maintained inside the shipper during transit, the beads will be located above the ThawAlert line marked on the straw.

If the internal temperature of the shipper was compromised during transit, the beads will be located below the ThawAlert line marked on the straw, indicating premature media thaw.

IMPORTANT: *If you find a ThawAlert straw with a bead position below the ThawAlert line, please call us at (978) 373-7300 or (800) 673-7500.*

Figure 1

ThawAlert Straw



THAWING INSTRUCTIONS

Remove the cane(s) from storage tank. Remove a straw from the cane and expose to room temperature air for 2 minutes.

Expel the contents of the straw using the following procedure:

a) Remove colored handle

b) Using a pair of scissors (see figure 2), cut the straw to bisect the cotton plug at the PVA section.

c) Make a second cut between the lower heat seal and the column of media.

d) In a petri-dish using the provided stylet, push down on the cotton plug, expelling the contents of the straw into a drop of *M2, mHTF or similar Hepes buffered media (Minimum 250 µl per drop).

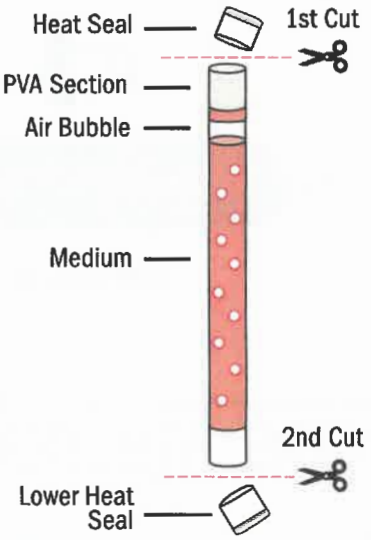
Immediately rinse the cells through a minimum of 2 additional drops of Hepes buffered media, pH 7.0-7.4 at room temperature. Embryotech recommends thawing a maximum of 2 straws at a time, into every 3 drops of media.

Allow cells to rehydrate for approximately 10 minutes in the final rinse droplet.

The ova or embryos are now ready for use.

Figure 2

Frozen Ova or Embryo Straw



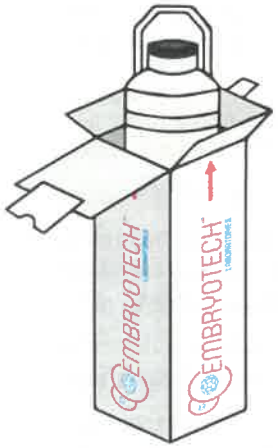
140 HALE STREET HAVERHILL MA 01830 USA TEL 978.373.7300 FAX 978.373.7399 INFO@EMBRYOTECH.COM WWW.EMBRYOTECH.COM

EMBRYOTECH™ LABORATORIES

DRY SHIPPER HANDLING INSTRUCTIONS

Please read these instructions prior to the removal and opening of the dry-nitrogen shipper.
Because of the delicate nature of the ova and/or embryos, it is important that all instructions be followed.

RECEIPT OF SHIPPER



Locate the return shipping label and save for later use.

Remove the dry nitrogen shipper from the cardboard box.

IMPORTANT: *Do not discard the cardboard box. This box will be needed to return the dry-nitrogen shipper to Embryotech™.*

Conditions of Sale/Warranty:

If after receipt of product and inspection it is determined the product is unacceptable, please contact us immediately. Embryotech Laboratories Inc. will then either issue a credit or send a replacement.

UNLOADING SHIPPER

When the shipper arrives it will be dry, meaning the liquid nitrogen has been absorbed by the special lining.

The ova and/or embryos are frozen in 0.25cc straws that are attached to colored 0.50cc handles.

The handles show the batch number identification and may be removed just prior to thawing.

The handles are grouped into plastic goblets which are clipped onto metal canes.

Straw Removal Instructions:

Always wear proper safety attire when working with or handling Liquid Nitrogen (LN2) transfer vessels or any products which have been stored in LN2 or LN2 Vapor.

Open the dry-nitrogen shipper.

IMMEDIATELY fill with liquid nitrogen so that goblets are filled and straws are completely submerged.

Locate and check the status of ThawAlert™ straw (see reverse side, figure 1).

After straws are submerged, quickly transfer them to a storage container.

RETURNING SHIPPER



Repackage the shipper in the same box in which the shipper arrived.

Return the shipper to Embryotech using the prepaid shipping label provided. The prepaid return shipping label is void after one week as stamped.

IMPORTANT: *After the one week period all return shipping costs will become the responsibility of the customer.*

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