



THE BIO-TRANZ™ HUMAN SEMEN SHIPPING CONTAINER

Putting you in control of your infertility treatment

INSTRUCTIONS FOR USING THE BIOTRANZ SEMEN SHIPPER

EACH PACKAGE CONTAINS:

- 1 Polystyrene (Styrofoam) container
- 2 Cold pak (blue)
- 3 Thin piece of Styrofoam with 2 holes
- 4 Test-Yolk Buffer (TYB; 5.0 mL)
- 5 Test-tube (1)
- 6 Fabricated Styrofoam core (block)
- 7 Collection Cup, find under the core block (item #6)



Once you receive the BioTranz Semen Shipping Container, place the Test-Yolk Buffer (#4) and the Cold Pak (#2) in the freezer until you are ready to use them.

COLLECTING THE SEMEN

- 1 The semen sample must be produced on the day that it is to be shipped.
- 2 There should be a 2-4 day period of sexual abstinence prior to seminal collection.
- 3 Remove TYB from freezer and allow thawing by placing in a glass of warm water for 30 minutes.
- 4 Begin to manually stimulate yourself (masturbate) and ejaculate in the provided specimen collection cup.
- 5 After ejaculation into the cup, place lid on the collection cup and wait 15 minutes to allow the collected specimen to liquefy.
- 6 Open the provided test tube by removing the blue cap.
- 7 Carefully pour collected semen from the specimen collection cup into the test tube making sure not to spill any of the semen.
- 8 After all semen is transferred and collected into the test tube, you may discard the specimen collection cup.
- 9 Remove and dry the TYB bottle from glass of warm water.
- 10 Open the TYB vial carefully and pour all contents in the vial with semen and seal vial with cap.
- 11 Shake gently 3-4 times by inverting the test-tube.
- 12 Complete identification label and apply it to unprinted portion of the test-tube.
- 13 Place the vial in the middle slot on the top of the Styrofoam core (where TYB was).
- 14 Place the separator cover (thin piece of Styrofoam with two holes) over the test-tube.
- 15 Place the frozen blue cold pak on top of the separator cover.
- 16 Place the lid on the Styrofoam container and seal it with strong shipping tape to secure the container lid to the box.
- 17 Circle the container with your shipping tape in the slots on the outside of the box.
- 18 Also, tape the circumference where the lid meets the box to prevent cool air from escaping.
- 19 Place the Styrofoam container in the corrugated shipping box provided and seal it securely with your shipping tape.
- 20 Make sure the furnished pre-addressed shipping label is properly attached to the shipping box.

IMPORTANT! The BioTranz is a disposable product and is intended for one-use only to prevent the possible transmission of sexually transmitted diseases. ZDL, Inc. is released from any liability if the product is not used according to its specifications.

Please note that ZDL, Inc. is not responsible or liable for loss or inconvenience incurred due to delayed or non-delivery of your package. Delivery completion is the carrier's responsibility. Freight charges for "Guaranteed" 1day or 2-day deliveries that are delayed due to inclement weather and other "acts of God" are not refundable, as per carrier's policy!

The Andrology Institute of America offers, among others, the following clinical services:

- Routine Semen Analysis
- Home Semen Analysis
- Home Gender Selection
- Home Cryopreservation
- The Biotranz Test
- Strict Sperm Morphology Evaluation
- Sperm Reconstitution for Therapeutic Insemination
- Thawing and Preparation of Donor Sperm for Therapeutic Insemination
- Isolation of High Quality Sperm using SpermPrep™, ZSC™, Multi-ZSC™ and other technologies
- Gender Selection for X and Y sperm enhancement
- Sperm Longevity Testing
- Hypo-Osmotic Swelling Testing
- Anti-sperm Antibody Testing
- Recovery and Preparation of Sperm Obtained via Retrograde Ejaculation

**Isolation and Selection of Round Spermatids for ICSI
Long Distance Semen Evaluation for Hospitals and Labs by using the BioTranz Technology**

For more detailed information about all of our services, please access our website at www.aia-zavos.com

References:

1. Zavos PM, Correa JR, Clark W, Zarmakoupis-Zavos PN: Sperm viability in human semen specimens cryostored at 5°C using the Bio-Tranz™ container system for semen transport. *Middle East Fertility Society Journal*, 3(3): 325-329, 1998.
2. Zavos PM, Correa-Perez J, Kaskar K, Koundouros S, Zarmakoupis-Zavos P: Fecundity of Human Semen Specimens Cryostored and Transported at 5°C Using the Bio-Tranz™ Shipping System. The 61st Annual Meeting of ASRM, Montreal, CAN, October 15-19, 2005.
3. Zavos P.M., Kaskar K., Zarmakoupis-Zavos P.N.: Evaluation of human semen specimens transported at 5°C using the Bio-Tranz™ shipping system. The 25th Annual Meeting of the American Society of Andrology, Boston, MA, USA; April 7-11, 2000.
4. Zavos P.M., Zavos P.N., Kaskar K., Correa-Perez J.R., Koundouros S.: Viability and fecundity of human semen specimens cryostored and transported at 5°C using the BioTranz shipping system. *Archives of Andrology*, 2005 (in press).

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