

THE BIO-TRANZ™ HUMAN SEMEN SHIPPING CONTAINER

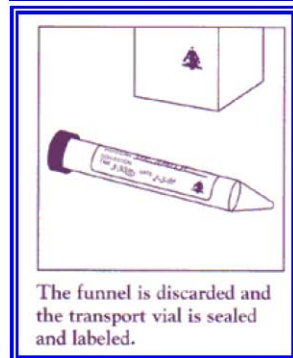
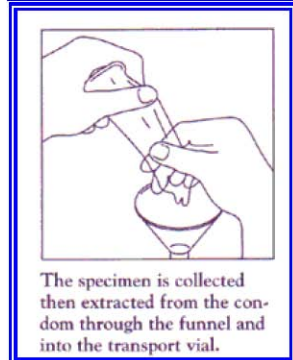
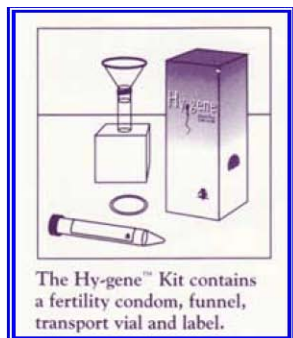
Putting you in control of your infertility treatment

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-tubes (2)
6. Fabricated styrofoam core (block)
7. Hy-gene™ Seminal Collection Kit, 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. Pull the core block completely out of the Styrofoam box and turn over. You will find the Hy-gene Kit, remove it and use according to the instructions below.
4. The Male Factor Pak (MFP) is used similarly as an ordinary condom during intercourse.
5. Prior to collection, remove the TYB from the freezer and thaw by placing in a glass of warm water for 15 minutes.
6. Have a small, clean scissors available prior to collection.
7. Remove MFP condom from funnel and place against top of erect penis.
8. To prevent trapping air, hold reservoir tip while unrolling condom onto penis.
9. Proceed naturally and refrain from penetration and ejaculation for as long as 5 minutes in order to elicit maximum sexual stimulation.
10. After ejaculation, hold open end of condom to prevent slippage.
11. Once erection has subsided, remove condom being careful not to spill any semen.
12. If semen is to be collected via masturbation, proceed with step 11, placing semen in funnel and into the vial, then following step 14 through 26.
13. Place funnel in vial (blue top test-tube). USE ONLY 1 VIAL to place semen for mixing with TYB according to instructions below. It is important to note that the other vials are extras in case of spillage or other errors during processing of specimen for shipment.
14. Holding reservoir end of condom over funnel, use scissors to cut a small slice in tip.
15. Carefully squeeze all possible semen from condom (see diagram on Hygene™ box).
16. After all semen has collected in vial, (test-tube) remove and discard funnel and condom.
17. Remove and dry the TYB bottle from glass of warm water.
18. Open the TYB vial carefully and pour all contents in the vial with semen and seal vial with cap.
19. Shake gently 3-4 times by inverting the vial.
20. Complete identification label and apply it to unprinted portion of vial (test-tube).
21. Place the vial in the middle slot on the top of the Styrofoam core (where TYB was).
22. Place the separator cover (thin piece of Styrofoam with two holes) over the test-tubes.
23. Place the frozen blue cold pak on top of the separator cover.
24. Place the lid on the Styrofoam container and seal it with strong shipping tape to secure the container lid to the box.
25. Circle the container with your shipping tape in the slots on the outside of the box.
26. Also, tape the circumference where the lid meets the box to prevent cool air from escaping.
27. Place the Styrofoam container in the corrugated shipping box provided and seal it securely with your shipping tape.
28. Make sure the furnished pre-addressed shipping label is properly attached to the shipping box.

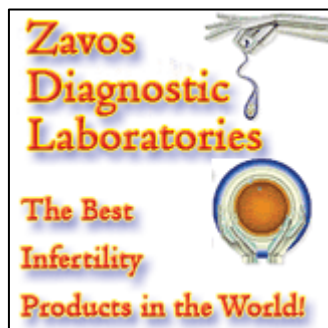
IMPORTANT! The BioTranz is a disposable product and is intended for one-use only to prevent the possible transmission of sexually transmitted diseases. ZDL, Inc. is released from any liability if the product is not used according to its specifications.

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" 1-day 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 services:

- Routine Semen Analysis
- The Home Semen Analysis Kit
- The Home Gender Selection Kit
- The Home Cryopreservation Kit
- 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



We also offer clinical products in collaboration with: Zavos Diagnostic Laboratories, Inc.

(www.zdinc.com)

It provides infertility medical products and technologies which will solve infertility difficulties for the couples seeking infertility treatment and to their OB/GYN's-Infertility experts throughout the world, as well as, to couples who wish to take charge of their own infertility treatment with a wide range of at-home infertility products and solutions. Products in the Areas of: Semen Collection - Semen Dilution - Semen Preparation - Sperm Incubation Intrauterine Insemination (IUI) Catheters - IVF -Ovulation Predictor Kits - Semen Shipping (BioTranz) - Home Insemination Devices and Kits

References:

- 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.
- 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.*
- 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.*
- 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).

Andrology Institute of America

P.O. Box 23777, Lexington, KY 40523, USA

Tel: 1-800-998-4567; 1-859-278-6806; Fax: 1-859-278-6906

Website: www.aia-zavos.com E-mail: drz@aia-zavos.com