



Zavos Scientific



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# FATHER OF ANDROLOGY



**PROFESSOR, DOCTOR PANAYIOTIS  
MICHAEL ZAVOS M.S., Ed.S., Ph.D.,  
M.B.A**

With an impressive career as a reproductive specialist, Professor Dr. Panos Zavos has devoted more than 40 years to academia, clinical services and research. His ground breaking developments around new and innovative technologies in the field of human reproductive medicine have had worldwide implications.

Prof. Zavos holds four college degrees and has received extensive training in the areas of reproductive medicine and all other fields of Assisted Reproduction. He received the Distinguished Alumnus Award and the Graduate Teaching Award from Emporia State University, the Student Leadership Award from the University of Minnesota and the first ever Honorary Professorship given by the China Academy of Sciences to an American Professor, among many others.



**Robert G. Edwards**

Professor Zavos wants to congratulate his friend and colleague Robert Edwards for receiving the Nobel Prize in Medicine 2010. "Robert Edwards you are so deserving of the recognition and you made all of us so proud!"

*"Zavos P. : Male Infertility: Its Diagnosis and Treatment. Fertility Today, 2005 (Submitted)."*

1996: Employment of round spermatid injections for treatment of patients with non-obstructive azoospermia

1998: Introduction of the first commercial liquid semen shipper for transporting unfrozen semen to a location for evaluation purposes or for use in an insemination program or for other assisted reproductive techniques (ART) such as in-vitro fertilization (IVF)

2003: Created the first ever human cloned embryos for reproductive purposes

2005: First to develop embryo splitting technologies using mouse blastomere biopsy for future use in human assisted reproductive technologies

2006: Attempted the first fresh human cloned embryo transfer for reproductive purposes

2006: Created the first human-bovine hybrid

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# Publications & Achievements

Zavos, P.M., Zarmakoupis-Zavos, P.N. Correa, J.R., Aslanis, P., Zarmakoupis, C.N.: Assessment of two devices for in vitro preparation of human sperm. *Archives of Andrology*, 45(2):85-90, 2000.

Zavos, P.M.: Cigarette smoking and human reproduction: effects on female and male fertility. *American Council on Science and Health (Special Report)* 12(3):16-19,2000.

Zavos, P.M.: Science is changing! 300 chemicals and each chemical will have a fingerprint. *Fertil. Steril.* 75(5), 1039-40, 2001.

Zavos, P.M.: Impact of cigarette smoking on female and male reproduction. *Emirates Medical Journal*, 20(1): 23-29, 2002.

Zavos, P.M., Correa, J.R., Kaskar, K., Zarmakoupis-Zavos, P.N.: Precoital sexual stimulation and its effects on seminal characteristics. *Middle East Fertility Society Journal*, 8(1): 1-5, 2003 .

Zavos, P.M.: Human reproductive cloning: The time is near. *Reproductive Bio-Medicine Online*, 6(4), 2003.

Zavos P.M.: Male Infertility: Modern Diagnostic and treatment modes. *US Kidney & Urological Disease*, 2005, 126-18. (Invited Paper).

Zavos P.M., Zavos P.N., Kaskar K., Correa-Perrez J.R., Koundouros S.: Viability and Fecundity of Human Semen Specimens Cryostored and Transported at 5°C Using the Bio-Tranz™ Shipping System. *Arch. Androl.*, 52(3):149-154, 2006.

Zavos P.M., Kaskar K., Correa J.R., Sikka S., Zarmakoupis-Zavos P.N.: Seminal characteristics of men of different age groups: Is there an aging effect? *Asian J Androl.*, 8(3):337-341, 2006.

Zavos P.M., Zavos P.N., Kaskar K., Correa-Perrez J.R., Koundouros S.: Viability and Fecundity of Human Semen Specimens Cryostored and Transported at 5°C Using the Bio-Tranz™ Shipping System. *Arch. Androl.*, 52(3):149-154, 2006.

Zavos P.: Male Infertility: Its Diagnosis and Treatment. *Fertility Today*, 2005 (Submitted).

Zavos P, Illmensee K: Possible treatment of male infertility by reproductive cloning: Technique for creating cloned human four-cell embryo and subsequent embryo transfer. *Arch. Androl.*, 52(4):243-254, 2006.



# Zavos Scientific

By combining cutting edge technologies with decades of experience, the experts at the Andrology Institute of America are dedicated to helping couples overcome the challenges of infertility. We look forward to helping you achieve your fertility goals.

The **Andrology Institute of America (AIA) with Zavos Scientific** located in the Middle East, Dubai serves in Pacific Asia and Africa our services are certified **CLIA**

All of the andrological techniques used by the Andrology Laboratories at Zavos Scientific confirm with the regulations and guidelines established by the American Society for Reproductive Medicine (ASRM) and the World Health Organization (WHO). This includes certification of the laboratory facilities by the Clinical Laboratory Improvement Amendment (C.L.I.A).

The facilities of the Zavos Scientific are routinely used by physicians Board Certified in Obstetrics, Gynecology, Reproductive Endocrinology, and Infertility, Urology or Family Practice.

**CLIA**  
Certified



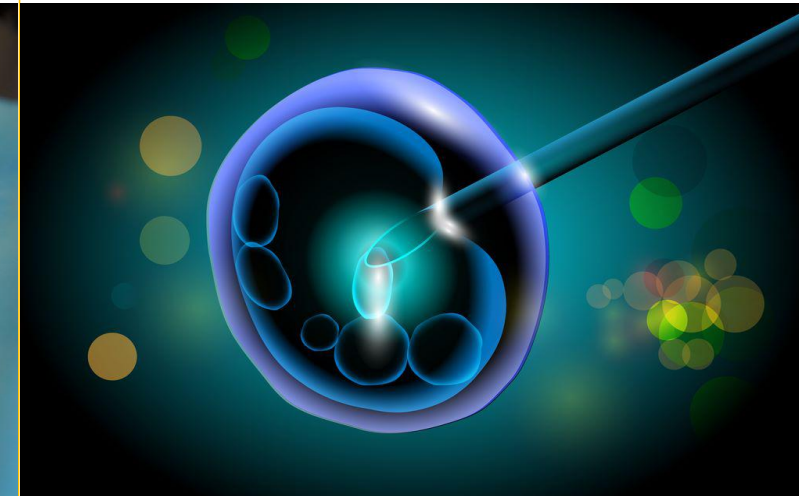
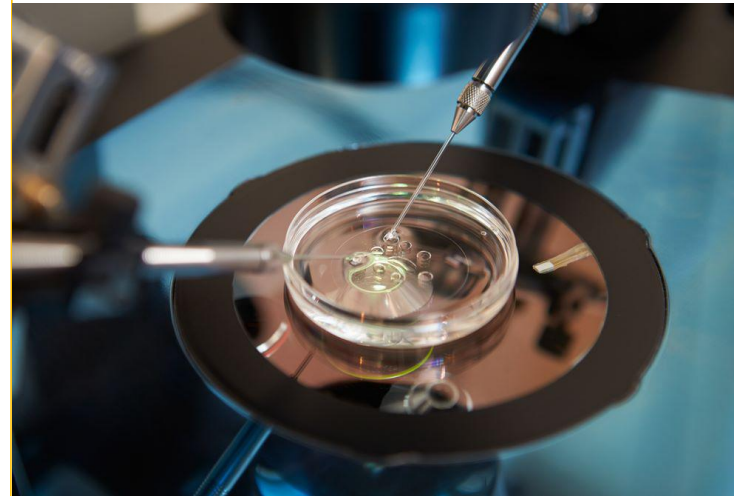
By offering state of the art services and cutting edge technologies not available elsewhere, the **Zavos Scientific** utilizes the expertise and ability of **Professor Dr. Zavos** to the benefit of its patients. We treat all patients equally, and no one is better than **Dr. Zavos, the true "Father of Andrology" in the World.**



Zavos Scientific and The Andrology Institute of America along with its founder and director, Prof. Zavos, provides information to the global public on fertility through workshops and presentations on the various topics throughout the world, providing them the information needed to help them make informed decisions through the fertility/infertility process.

- **Isolation and Selection of Round Spermatis for ICSI**
- **Home Semen Analysis**
- **Second Opinion Consultation**
- **Routine Semen Analysis**
- **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 and other technologies**
- **Gender Selection for Family Balancing**
- **Hypo-Osmotic Swelling Test**
- **Sperm Longevity Testing**
- **Anti-Sperm Antibody Testing**
- **Preparation of Sperm obtained via Retrograde Ejaculation**

With a dedication to quality, and unmatched customer service, AIA is the most trustworthy portal for all your fertility service needs. These opportunities are only available at the Andrology Institute of America under the abilities of Professor Dr. Zavos.







# Reproductive Products: Fertility & Infertility Markets



Male Factor Pak (Multiple Quantities)



Male Factor Pak/ Pre-Seed



Hygiene Kit (Multiple Quantities)



Pre-Seed Lubricant (Multiple Quantities)

## Different Types



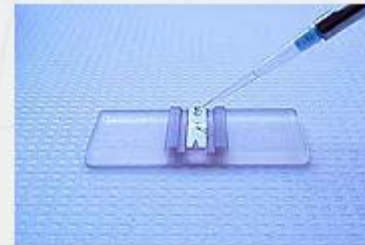
LifeStyles Condom



Makler Counting Chamber



Makler Glass with Grid



Hemocytometer





# Reproductive Products: Fertility & Infertility Markets



Makler Insemination Device



Makler IUI Cannula Catheter



The Zavos Home Insemination Device



The Zavos Artificial Insemination (AI) Kit



IUI Catheters



Z-Cat Catheter



Aspiration Needle



Bulb Embryo Transfer Catheter







# Reproductive Products: Fertility & Infertility Markets



SpermWash Medium



Multi-ZSC kit



The SwimUp Pak



SpermPrep TYB Media :  
Refrigeration Medium-  
TYB w/ Gentamicin



SpermPrep TYB Media:  
Freezing Medium



IVC OneStep System



IVC OneStep- IUI System

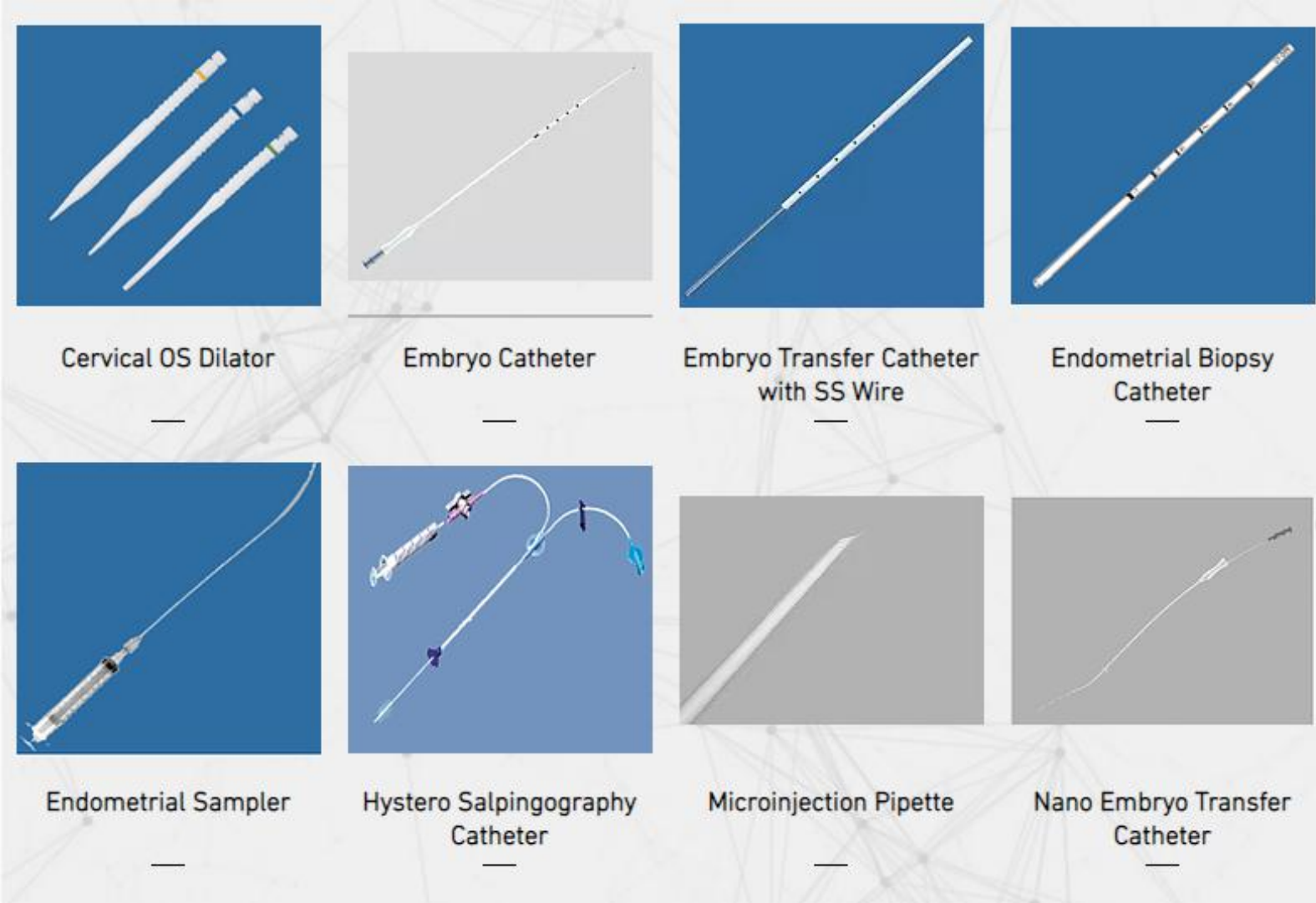


SpermPrep Viscolytic  
System (VLS)





# Reproductive Products: Fertility & Infertility Markets





# 35MM DISHES & 60MM DISHES



NUNC 35X10MM DISH, W/ VENTED LID  
NUNCLON™ DELTA (153066)



NUNC 35X10MM DISH, W/ NON-VENTED LID  
NUNCLON™ DELTA (150318)



FALCON® CELL CULTURE DISHES 60X15 MM  
(EASY GRIP) (353004)



FALCON® CELL CULTURE DISHES 60X15 MM  
(EASY GRIP) (353002)



NUNC 60X15MM DISH, W/VENTED LID  
NUNCLON™ DELTA (150288)



NUNC 60X15MM DISH, W/ NON-VENTED LID  
NUNCLON™ DELTA (150326)



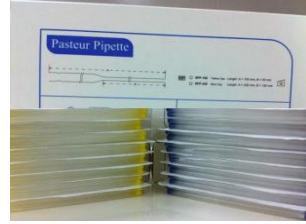




ICSI Injection Pipettes



Blasto ere Biops Pipettes



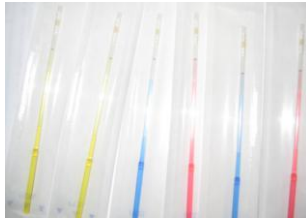
Pasteur Pipettes



Holding Pipettes



PZD Pipettes



iVetri®-Straw



Zona Drilling Pipettes



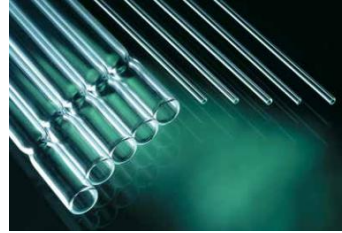
Denuding Pipettes



Polar Bod Biops Pipettes



Pipette Controllers



Pasteur pipettes for gamete and embryo handling



Micro manipulation tools



Fire polished tips and gamma irradiated plugs



100 pipettes per box  
 20 packs of 5





Wallace® Sure-Pro® Ultra Supported Ultrasound Visible Embryo Transfer Catheters



Wallace® Classic Embryo Transfer Catheters



Wallace® Single Lumen Oocyte Recovery Systems



Wallace® SureView Ultrasound Visible Embryo Transfer Catheters



**EZ-Range**  
The EZ-Range is an innovative range of options for denudation and handling



VetriFit™



ORIGIO® Micropipettes



Wallace® Dual Lumen Oocyte Recovery Systems



IVF Pasteur Pipettes



LifeGlobal® Sperm Freezing



global®  
The original single-step, protein-free  
medium for uninterrupted embryo culture



SpermSlow™



ICSI Cumulase®



Makler® Chamber



SAGE 1-Step™



Oil for Tissue Culture



Culture Media with GM-CSF  
Unique culture media for  
poor prognosis patients



SAGE™ In-Vitro Maturation Media (IVM)

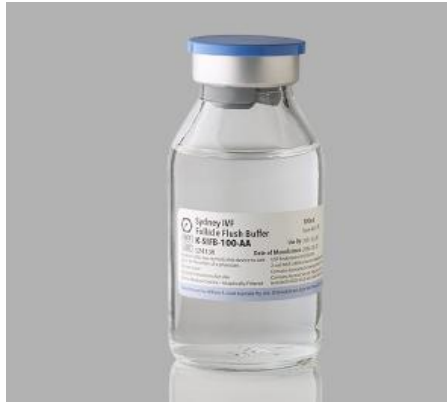


SAGE™ Warming Kit

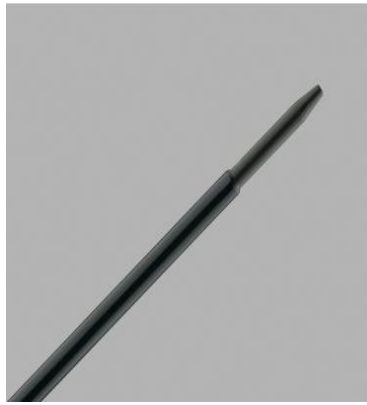




Sydney IVF Blastocyst Medium



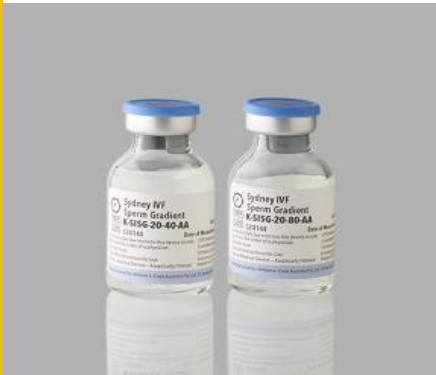
Sydney IVF Follicle Flush Buffer



Cook 810 Set™



Cook® Vacuum Pump



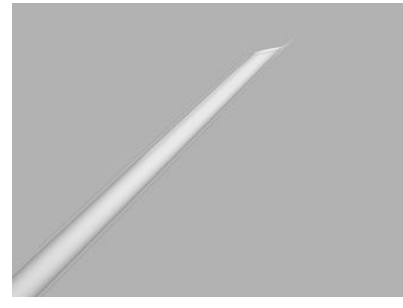
Sydney IVF Sperm Gradient



Sydney IVF Sperm Medium



Sydney IVF Spermient®



Cook® Microinjection Pipette



**Zavos AKG &Medtra Scientific FZE**  
**The Prism Tower,Suit #2003,Burj Khalifa St,Business Bay**  
**P.O.Box 112250,Dubai,Unoted Arab Emirates**  
**Tel:+9713683665,**  
**Fax:+97143686356**  
**[www.zavosscientific.com](http://www.zavosscientific.com)**