







Advantages:

- Ready to use
- Minimum 20-30 million motile sperm with 50-70% progressive rate in each vial
- Highly qualified donor
- Infection tested: HIV, VDRL, HCV, HBsAg, Thalassemia, Chlamydia, Hemoglobin & urine
- Q. C. Tested: Sperm survival, Sperm Function, Sperm count & motality, Motality percentage and pH
- Quarantined period of minimum for six month
- Doner selection based on educational qualification and medical history of family, genetic and basic semen parameters.
- Matching option: Blood group, Rh factor, Height, Body structure, Skin color, Hair color, Eyes color.

Sperm Processing Media



CRYO-DENS 1

Single Layer Density Gradient Solution 10 X 2 ml High density for separation of motile spermatozoa 10 x 5 ml Human tubal fluid for washing of sperm pellet



CRYO-DENS 2

10 X 1 ml Lower layer (90%) density for separation of motile spermatozoa 10 X 1 ml Upper layer (45%) density for separation of motile spermatozoa 10 x 5 ml Human tubal fluid for washing of sperm pellet



MODIFIED HTF / MODIFIED HAM-F10

10 x 5 ml Modified HTF / Modified HAM-F10 for washing spermatozoa.

Advantages:

- Maximum Survival Time of 30+ Hours
- Increase yield percentage Increases fertility rate Removes bacteria
- Removes ROS level
 Removes abnormal and immature sperms
- Removes white cells, pus cells and cell debris

Single test ampoule packing, no chance of cross contamination

IVF Media Products

... for the Next Generation

InVitroCare® PROTEIN and REAGENTS

HUMAN SERUM ALBUMIN

100 mg/ml total protein (weight/volume) in normal saline
Formulated with therapeutic grade Human Serum Albumin
Parent HSA used to formulate this product is derived from blood from CBER licensed Blood Banks
All donors used to obtain the Human Albumin were individually tested and found to be non-reactive
for HbsAg, HCV and antibodies to HIV-1 and HIV-2 by approved testing methods
12 month shelf life at 2-8°C
Cat # 2101 - 12 x 5ml

PVP

10% Polyvinylpyrrolidone in HEPES buffered HTF Ready-to-use solution 12 month shelf life at 2-8°C Cat # 2210 - 1ml

HYALURONIDASE

100 EU/ml of Hyaluronidase in HEPES buffered HTF Ready-to-use solution 6 month shelf life at 2-8°C Cat # 2212 - 1ml

ACIDIC TYRODES

Ready-to-use solution 12 month shelf life at 2-8°C Cat # 2211 - 1ml

InVitroCare® IVF MEDIA SERIES

HTF HEPES

For egg retrieval, follicle flushing, ICSI procedures and cryopreservation Formulated with EDTA and a stabilized form of glutamine 12 month shelf life at 2-8°C Cat # 2002 - 100ml or Cat # 2002-5 - 500ml

HTF

For use as a fertilization medium and for early embryo culture through 2PN stage
Formulated with EDTA and a stabilized form of glutamine
120 day shelf life at 2-8°C
Cat # 2001 - 100ml

IVC-ONE™

For early embryo development from Day 0 through compaction Glucose and Phosphate Free Formulated with EDTA, Glutathione, and a stabilized form of glutamine 120 day shelf life at 2-8°C Cat # 2006 - 100ml

IVC-TWO™

For use in Day 3 embryo transfers and ICSI procedures Low Glucose and Phosphate Free Formulated with EDTA, Glutathione, and a stabilized form of glutamine 120 day shelf life at 2-8°C Cat # 2008 - 100ml

IVC-THREE™

For extended embryo culture and transfer through expanded Blastocyst (Day 5)
Phosphate Free and elevated levels of Glucose
Supplemented with amino acids and vitamins
Formulated with Glutathione
120 day shelf life at 2-8°C
Cat # 2007 - 100ml





In Vitro Care

incorporated

8415 Progress Drive, Suite F Frederick, MD 21701 800 786 1986 ~ 301 360 9660 fax 301 360 9661 www.invitrocare.com

Hi Tech ART Equipments

IUI Equipments

CENTRIFUGE MACHINE



Compact Model for Medical Laboratories. The special features include easy lid lock, Safety fuse and elegant front panel. Built in digital timer & step less knob to control the speed digital display of speed & time on screen.

Head swing out with 8X15ml tubes.

MICROSCOPE



Trinocular
For use in clinical & biological laboratories ideally suited for semen analysis, morphology, medical collages, hospital & higher education.

SPERM VIEWING CAMERA



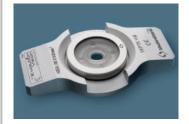
Digital Eyepiece for video capturing
Just connect with microscope to computer and capture morphology, motality counts of semen & other pathological use.

LAMINAR FLOW



0.3 microns HEPA Filers, 99.97% filteration efficiency Work table covered with Stainless Steel. Fitted with Static pressure Indicator (Manometer). Stabilisation through UV - Germiciadal Tubes Size 2"x2"x2" or 4"x4"x4"

SHUKRATARA® Sperm Counting Chamber



To achieve all in one step on a single chamber which is Evolution-Vision's Shukratara[®] – the sperm counting chamber for evaluating the sperm concentration in a desired specimen as well as motility percentage also in the same focus of microscope.

SEMEN WARMER





A precise microprocessor based temp. Controller with digital display, PT 100 sensor with accuracy of 0.5c & digital key pad to set temp.
Aluminum block for semen collection container, straight centrifuge tube & inclined at an angle of 30c for swim up technique.

Hi Tech ART Equipments

IVF Equipments

AIR PURIFIER



Remove Odor & Smoke, Ionizer, Detoxification, Low Energy Consumption Pre Filter

Activated Carbon Filter Hepa Filter with INTERSEPT Insecticide

Ultraviolet Anti- Bacteria Layer Photo Catalyst Anti-Bacterial Layer

Negative Ions Air Freshner Layer

Available in 2 models Pur Air 200 & Pur Air 400

IR CO2 SENSOR HERACELL 150



Thermo Scientific Hera cell i series CO2 incubators are available in non corrosive stainless steel or 100% pure antimicrobial copper.
Thermo Scientific Hera cell i CO2 incubators provide the ideal in vitro environment: clean, reliable and easy to use, protecting valuable samples while optimizing cell growth with fast recovery characteristics and convenient touch screen user interface.

MICROMANIPULATOR SYSTEM ICSI



Nikon and Narishige developed this high precision, compact micromanipulator system in response to increasing demand from the IVF/ICSI market. Whatever the application – IVF (in-vitro fertilization), ICSI (intracytoplasmic sperm injection), electrophysiology, or biotechnology – the NT88-V3 and other high qualitymicromanipulation equipment from Nikon will meet the task.

POSITIVE PRESSURE WITH A.C.



The application of these Evolution Vision makkee pressure module is used in a small cleanrooms to kep the positive pressure inside . it's takes place in the IVF-ICSI LAB for the protection of the product from the dust in the following areas.

Pharmaceutical micro-biology, IVF-ICSI lab, food, electrical, Cosmetic industry & Hospital OT

The unit is ideal to protect the product from particular contamination with the help of class 100 air.

OVUM ASPIRATION PUMP



With foot operated switch with vacuum gauge and regulator. Specification:

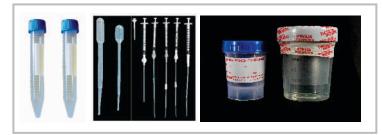
- ◆ Low pressure; 0-666 mbar ◆ Volume of Over flow vessel; 2/100ml
- ♦ Connecting for aspiration Tubing; 2 to 4 mm ♦ Power supply 230 V
- ◆ Power point 50 VA ◆ Nominal Current: 220 mA
- ♦ Power line isolation 0,315 AT

NIKON SMZ 745T BINO/TRINOCULAR MICROSCOPE



Featuring a zoom magnification of 7.5X and a long working distance of 115mm, Nikon SMZ745 microscopes are well suited for both industrial and biomedical applications. The adoption of a new total reflection prism produces brighter images with higher contrast, and the antimold design allows the microscope to be used in environments where the temperature and humidity are high. The SMZ-745T trinocular model comes equipped with a microscope camera port and a built-in 0.55x c-mount adapter, permitting direct mounting of

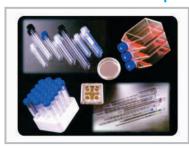
Hi Tech ART Disposables



Centrifuge Tube
Pasture
Pipette
Semen Container
IUI Catheter



Falcon IVF Disposables





- All disposables are sterilized.
- Individually or pair packaging in sterilization indicator pouch
- Medical grade plastic
- Batch, Lot, Manufacturing and Expiry date indicated on product sticker

Sperm Freezing Media

SpermPlus⁺Freeze

(Cat. no. SPF1006)

SpermPlus⁺Freeze is a chemically balanced based (without egg yolk) freezing medium for cryopreservation of human semen specimen used in assisted reproductive procedure. It contains sucrose & glycerol as cryoprotective agents and gentamicin as an antibiotic.

It clinically tried and proven to give excellent sperm motility and other post thaw parameters.

Contains: HSA, sucrose, Glycerol, potassium chloride, sodium chloride, magnesium chloride, sodium phosphate, HPLC water, EDTA, sodium bicarbonate, D-glucose and Gentamicin. All ingredients are cell culture grade. Advantages:

Advantages:
Small volume pack size to avoid cross contamination
Give maximum motility percentage post thaw
Increase survival time and success rate
More protection during freezing step
Long period shelf life of one year

Pack: 1x 5 ml, 10x2 ml



Sperm Function

Sperm Morphology

Test -I : Sperm pHTo determine Semen pH

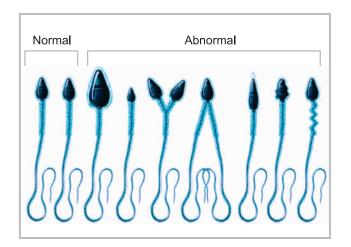
Test - II: Membrane integrity of Sperms Physical Intactness of Sperm

Evaluation of physical intactness of sperm membrane by supra vital staining.

This test provides estimation of motility with good internal control. The sum of dead spermatozoa (i.e. Stained) and motile spermatozoa (i.e. Stained) and motile spermatozoa (i.e. unstained) should not be more than 100%

Test - III Morphology Stain

Evaluate defects of Head, neck and tail of sperm.



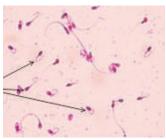
Sperm Function

hTS-HOST Test:

Hypo-Osmotic Swelling Test

This test evaluates response of spermatozoa to hypo-osmotic stress. This test is a good index of healthy spermatozoa.

Coiled Tail



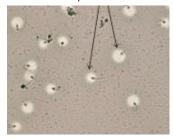
Normal: More than 60 % spermatozoa with tail coiling

hTS-AIST Test:

Acrosome Intactness Slide Test

This test evaluates the functional status of sperm acrosome and is a good indicator od sperm's ability to penetrate the oocyte investments.

Halos Spermatozoa



Normal: More than 50 % spermatozoa with Halos.

hTS-NCDT Test:

Nuclear Chromatin Decondensatin Test

This test can be used to find out whether decreases in fertilising potential has relation to sperm head chromatin.

Decondensed Head



Normal: More than 70 % decondensed head (in dark colour)

Manufacturers & Service Provider:



MEDIA DISPOSABLES & EQUIPMENT

SEMEN BANKING

FROZEN DONOR SEMEN SAMPLES





ASSISTED REPRODUCTIVE TECHNOLOGY An ISO 9001:2008 Registered Company

39/1, Ground Floor, Opp. IDBI Bank, Main Shivalik Road, Begumpur, Malviya Nagar, New Delhi - 110017 (India)

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