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Pages : 1 : 28	E mail Address : xray1.jed@sghgroup.net - bab@sghgroup.net
Vender :	Mobile : 00966 505 640 079 - 00966 561 052 512
Attention : Sales Manager	
Enclosed please find our Tender Document for IVF DEPARTMENT	
Please submit your best prices for the following items complete specification, Catalogue copy & C.V for units	
Your offer in witting should reach to the undersign before 15 / Dec / 2008	
You may quote your equivalent product if you are unable to offer the specification item	

General Requirements for the Negotiable Tender

- 1- The Manufacture has to offer the Highest & Latest model in the required Item with all the Encouraging specification which let the dean of the tender to choose the Product.
- 2- The offer must contain all Hardware & Software available At time of tender.
- 3- The Manufacture will apply all the Upgrade will be added to the unit Free of Charge.
- 4- The Manufacture will offer clear C.V of the Same Model in his quotation with year of production.
- 5- Warrantee is (5) years including labor & Spare parts & Accessories needed for the perfect work of the unit.
- 6- The Manufacture will assure the work of the unit during the Warrantee with Minimum of 320 days / Year.
- 7- It will be Service Contract for (5) years after the warrantee period in the offer of the manufacturer.
- 8- It's better for the Manufacturer to offer Basic Unit & alternative for each item.
- 9- It's well known that The Company which will win the Tender is going to Sign the Contract with SGH Group.
- 10- This Contract Details will be Discuses with the Company after The Evaluation with the whole Higher Management SGH Group.
- 11- The specification in the book is the nearly accepted but not restricted so each Company Can offer the best Models which Help doctors & Staff to Offer the Best Benefits for the Patient.

Dr. MOHY KHALIL
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DEPARTMENT: IVF LAB

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2	INVERTED MICROSCOPE WITH STANDARD ACCESSORIES WITH COLOR VIDEO CAMERA & MONITOR	1	1					
3	STEREO MICROSCOPE TYPE ZOOM WITH ACCESS.	1	1					
4	ANTI VIBRATION TABLE.	1	1					
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6	LABOFUGE 400 WITH SWING OUT ROTOR WITH ACCESSORIES	1	1					
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10	UNIVERSAL OVEN 9 (+30° DEGREE BIS +220 DEGREE, CONVECTION/AIR TURBINE) ELECTRONIC CONTROLLER NATURAL AIR CIRCULATION UNIVERSAL	1	1					
11	ULTRASOUND COLOR CFM PANTHER SYSTEM WITH ACCESSORIES	1	1					
12	CRYO PRESERVATION SYSTEM K10/1.7 WITH ALL ACCESSORIES	1	1					
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16	CO2 GAS REGULATOR PLANNER	1	1					
17	DIGITAL PH METER WITH STANDARD ACCESSORIES	1	1					
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19	LABORATORY REFRIGERATOR WITH RECIRCULATION COOLING AUTOMATIC DEFROSTING EXPORT- 462	1	1					
20	COOK STRIPPER (DENUATION STRIPPER)	1	1					
21	MICRO PIPETTE 20 UL CAPACITY	2	1					
22	MICRO PIPETTE 1 ML CAPACITY	1	1					
23	AIR FILTRATION SYSTEM (CODATWER)	1	1					
24	WATER DISTILLATOR	1	1					
25	TWO HEATING BLOCK (FOR TUBES)	1	1					
26	CODA INLINE FILTER (FOR CO2 FILTRATION)	1	1					

**MICROMANIPULATOR SYSTEM FOR USE ICSI PROCEDURES WITH
STANDARD ACCESSORIESS COMPLETE SYSTEM**

ITEM NO: 1

Specification For: MICROMANIPULATOR SYSTEM FOR USE ICSI PROCEDURES WITH STANDARD ACCESSORIESS COMPLETE SYSTEM	QTY
<p align="center"><u>MICROMANIPULATOR SYSTEM FOR USE ICSI PROCEDURES WITH STANDARD ACCESSORIESS COMPLETE SYSTEM</u></p> <ul style="list-style-type: none"> - Consisting of: - 3D Motor-Driven Coarse Control Manipulator - 3D Hydraulic Fine Micromanipulator - Universal Joint - Micro injector - Pipette Holder with rotating mechanism HIR - Adapter for TE 300/200 - Teflon Tubing - Voltage: 110V-220V 60 Hz 	1

**INVERTED MICROSCOPE WITH STANDRAD ACCESSORIESS WITH
COLOR VIDEO CAMERA & MONITOR**

ITEM NO: 2

<p align="center">Specification For: INVERTED MICROSCOPE WITH STANDRAD ACCESSORIESS WITH COLOR VIDEO CAMERA & MONITOR</p>	<p align="center">QTY</p>
<p align="center"><u>INVERTED MICROSCOPE WITH STANDRAD ACCESSORIESS WITH COLOR VIDEO CAMERA & MONITOR</u></p> <ul style="list-style-type: none"> - Consists of: - TE-300 main body 35 mm, photo front port side port, photomask reticle - Coaxial coarse/fine focus w/tension adjustment and focus stop on coarse - Light-distribution, observation/side port: 100/0.0/100, 20/80, observation/front port: 20/80 - Vinyl cover type 108 - TE-DH 100 w. dia-illumination pillar (tiltable) supplied with detachable condenser carrier diffuser, built-in filter holder and field diaphragm - TE-PS 100W, - Dia-illumination pillar - Lamphouse-2 BL with precentred 100W halogen lamp 12V-100W - Lamphouse remote cable - Y-TE tilting binocular tube - Intermediate tube - Centring telescope - System condenser 5 position turret with aperture diaphragm - Color video Camera, C-mount adapter & Monitor - Voltage: 110V-220V 60 Hz 	<p align="center">1</p>

STEREO MICROSCOPE TYPE ZOOM WITH ACCESS**ITEM NO: 3**

Specification For: STEREO MICROSCOPE TYPE ZOOM WITH ACCESS	QTY
<p style="text-align: center;"><u>STEREO MICROSCOPE TYPE ZOOM WITH ACCESS</u></p> <ul style="list-style-type: none"> - Optical System: - Total Magnification: 4X480X - When coaxial episcopic illuminator is attached: 6X-540X - Eyepiece tube: - P-BT standard Binocular, P-BTL Low eye-level Binocular, P-BERG Tilting Binocular - Eye-piece inclination: 20° - Interpupillary distance adjustment: 48-75 mm - Eyepieces with diopter adjustment: C-W10X - Zoom Range: 0.8X-8.0X - Zoom Ratio: 10:1 - Voltage: 110V-220V 60 Hz 	1

ANTI VIBRATION TABLE.**ITEM NO: 4**

Specification For: ANTI VIBRATION TABLE.	QTY
<p data-bbox="518 593 909 627" style="text-align: center;"><u>ANTI VIBRATION TABLE.</u></p> <ul data-bbox="199 660 901 840" style="list-style-type: none">- Designed to meet the requirements of ICSI procedures.- Adjustable for all models of inverted microscopes- Smooth and roomy workspace- Equilibrated and isolated microscope platform- Vibrations eliminated by a complex anti-vibration system- Dimension: W x D x H 1200 mm x 700 mm x 730 mm	1

BINOCULAR MICROSCOPE.**ITEM NO: 5**

Specification For: BINOCULAR MICROSCOPE.	QTY
<p style="text-align: center;"><u>BINOCULAR MICROSCOPE.</u></p> <ul style="list-style-type: none"> - Consists of : - Microscope stand with square plain stage and diagnostic illumination base supplied with Vinyl Cover type 102 - Binocular Eyepiece Tube "BC" - Attachable mechanical stage - CF E Achromat 4X, N.A 0.10 - CF E Achromat 10X, N.A 0.25 - CF E Achromat 40X, N.A 0.35 Spring-loaded - CF E Achromat 100X, N.A 1.25 Oil immersion, spring loaded - Immersion Oil A, 8 cc - Eyepiece CFW E10X A, 2 each - ABBE Condenser with blue filter 33 mm Electric Bulb with Reflector - Voltage: 110V-220V 60 Hz 	1

LABOFUGE 400 WITH SWING OUT ROTOR WITH ACCESSORIESS**ITEM NO: 6**

Specification For: LABOFUGE 400 WITH SWING OUT ROTOR WITH ACCESSORIESS	QTY
<p><u>LABOFUGE 400 WITH SWING OUT ROTOR WITH ACCESSORIESS</u></p> <ul style="list-style-type: none"> - The well organized and easy to use MEGA control II microprocessor control panel - Led indicates for speed, RCF setting and run time (1-99 min continuous operation) - Quick run function for briefly centrifuging samples - Soft start/soft brake function for centrifugation and controlled braking for sensitive samples - Maintenance free induction drive - Smooth and quiet operation. - Steel jacket system, safety lid lock - Automatic unbalance cut-out - Rotor over speed protection - Swing out rotor with round buckets - Capacity 4x100 ml - Speed: With cyto bucket: 3000 RPM, Microliter rotor: 11500 RPM, Hematocrit rotor 11500 RPM - Voltage: 110V-220V 60 Hz 	1

PLANER EXCEL PLUS CO2 INCUBATOR WITH GAS REGULATOR
COMPLETE WITH SHELVES

ITEM NO: 7

Specification For: PLANER EXCEL PLUS CO2 INCUBATOR WITH GAS REGULATOR COMPLETE WITH SHELVES	QTY
<p align="center"><u>PLANER EXCEL PLUS CO2 INCUBATOR WITH GAS REGULATOR</u> <u>COMPLETE WITH SHELVES</u></p> <ul style="list-style-type: none"> - Type: Waterjacketed - Temperature: - Control range: Amb +5 to 50°C - Stability: +/- 0.1°C to @ 37°C - Microprocessor: YES - Setpoint/Setability: Digital/0.1°C - Alarms-HI/LOW: Audio/visual - Uniformity: +/- 0.2°C - Independent Safety Thermostat: YES - CO₂ Control: - CO₂ Sensor: Infrared - CO₂ Control Range: 0-20% - Microprocessor: YES - Stability: +/- 0.1% - Setpoint/Setability: Digital/0.1% - Uniformity: +/- 0.1% @ 5% - Recovery Rate to 5% CO₂: > 1%/minute - CO₂ Alarms-HI/LOW: Audio/Visual - Humidity: - Display resolution: 1.0% - Display range: Amb. To 99% - Humidification: Evaporation - Stainless steel RH pan supplied: YES - Coda incubator Filter - Fyrite, CO₂ Gas Analyzer - Gad Regulator - Voltage: 110V-220V 60Hz 	1

FORMA SCIENTIFC LNCUBATOR

ITEM NO: 8

Specification For: FORMA SCIENTIFC LNCUBATOR	QTY
<u>FORMA SCIENTIFC LNCUBATOR</u>	1

**K-SYSTEM FOR IVF LABORATORY VERTICAL FLOW,FLOOR MODEL L-24V
COMPLETE SYSTEM WITH STANDARD ACCESSORIES**

ITEM NO: 9

Specification For: K-SYSTEM FOR IVF LABORATORY VERTICAL FLOW,FLOOR MODEL L-24V COMPLETE SYSTEM WITH STANDARD ACCESSORIES	QTY
<p><u>K-SYSTEM FOR IVF LABORATORY VERTICAL FLOW,FLOOR MODEL L-24V COMPLETE SYSTEM WITH STANDARD ACCESSORIES</u></p> <ul style="list-style-type: none"> - Vertical Laminar Flow Cabinet Floor Model, Overall dimension: 1265x655/720x2040 mm, Stainless steel table plate 1200x635 mm, table plate height 830 mm, 230V, 50c, 690W - Electrical Warming plate 300x450+200x130+200x450 mm mounted to the stainless steel table plate. Electronically controlled with digital readout of set and actual temperature. Temperature rang 35-43°C Accuracy +/- 0.2°C, temperature alarm for to high/low temperature. - Preparation for the mounting of a stereo microscope, with transmitted light source under the stainless steel table plate, and with window 40 mm for light - Gas manifold with two flow meters and two regulating Valves for setting flow rate of gas mixture 0-29 liter per hour, mounted in rear wall of cabinet - Gas humidifier with two flasks - Aluminum warming block O 80x60 mm for 7 follicular Fluid tubes, dimensions of holes O 16.5 mm - Glass incubator hood, 130Ox75mm for gassing of culture dishes media - Glass incubator hood, 130Ox130mm with stand for gassing of culture tubes, inclusive stainless steel stand for sperm tubes - Voltage: 110V-220V 60 Hz 	1

**UNIVERSAL OVEN 9 (+30°DEGREE BIS +220 DEGREE, CONVECTION/AIR
TURBINE) ELECTRONIC CONTROLLER NATURAL AIR CIRCULATION
UNIVERSAL**

ITEM NO: 10

Specification For: UNIVERSAL OVEN 9 (+30°DEGREE BIS +220 DEGREE, CONVECTION/AIR TURBINE) ELECTRONIC CONTROLLER NATURAL AIR CIRCULATION UNIVERSAL	QTY
<p align="center"><u>UNIVERSAL OVEN 9 (+30°DEGREE BIS +220 DEGREE, CONVECTION/AIR TURBINE) ELECTRONIC CONTROLLER NATURAL AIR CIRCULATION UNIVERSAL</u></p> <ul style="list-style-type: none"> - Interior of stainless steel material - Volume appr. 111 liters, width: 540 mm, Depth: 390 mm, Height: 530 mm - Trays: rail for trays max. number: 7 - Standard outfit, number: 2 - Maximum allowable weight of load: Loading capacity of tray: maximum kg/tray: 20, total loading capacity: maximum kg/device: 50 - Number of door: 1 - Outer dimensions (including door and handle) Width: appr. 760 mm, Depth: appr. 640 mm, Height including feet f/rolls R: appr. 680F mm - Diameter of air exhaust: appr. 52 mm - Working temperature range (beginning of regulation) standard version: 250 - Temperature deviations according to DIN 12880, T2 to working temperature with closed air flap and door, > 50°C: Spatially: appr.% from the reached - Temperature: +/-2, timely: appr. 0.3°C - Time required to reach 250°C with closed flap at 230 V: appr. 60 min - Heat emission at 250°C: appr. 760W - Air exchange rate at 150°C: appr. 12 h - Electrical parameters-mains 50/60 Hz - Maximum power input: appr. 1.9W, - Power input in 'Stand by" position: appr. 5Wm el. Current: 8.3A - Voltage: 110V-220V 60 Hz 	1

ULTRASOUND COLOR CFM PANTHER SYSTEM WITH ACCESSORIESS**ITEM NO: 11**

Specification For: ULTRASOUND COLOR CFM PANTHER SYSTEM WITH ACCESSORIESS	QTY
<p><u>ULTRASOUND COLOR CFM PANTHER SYSTEM WITH ACCESSORIESS</u></p> <ul style="list-style-type: none"> - Highest resolution - Multitude of uses with an imaging bandwidth of 1 to 15 MHz - Doppler system ensures highly sensitive Doppler, CFM and Power Doppler images, CW is supported on imaging probes. - True Echo Harmonics feature particularly useful for difficult to scan patients. - Broad rang of task designed linear, convex and unique 360o rotating transducers for many special applications including image-guided biopsies. - Full 14" flicker-free monitor. - Ergonomic and compact design with height adjustable keyboard and monitor and logically grouped controls. - Integrated 3D - Palm Control Unit - Simultaneous split-screen feature display two active images on the monitor at the same time. - Multifrequency (2.7, 3.5 & 5 MHz) Convex Array Transducer for General Abdominal and Pelvic Floor Studies - Multifrequency (5.5, 6.5, 7.5 MHz) transvaginal transducer with 156o Scan Angle, Puncture attachment for 8661 transducer - With Black & White printer. - Voltage: 110V-220V 60 Hz 	1

CRYO PRESERVATION SYSTEM K10/1.7 WITH ALL ACCESSORIESS**ITEM NO: 12**

Specification For: CRYO PRESERVATION SYSTEM K10/1.7 WITH ALL ACCESSORIESS	QTY
<p><u>CRYO PRESERVATION SYSTEM K10/1.7 WITH ALL ACCESSORIESS</u></p> <ul style="list-style-type: none"> - Chamber Volume: 1.7 liters - Straw capacity: 60x 0.25 ml straws in 15 position, radially located - Ampoule Capacity: 30x 2 ml ampoules in 15 position radially located - Controlled rang: 30oC to –180oC - Cooling rate: 0.01 to –50°C/min - Controlled heating rate: 0.01 to 10°C/min - Horizontal or Vertical freezing - System controller: MR3 - System Pump: LNP4 - System Dewar: LAB 30 - PC Software: Delta T - Voltage: 110V-220V 60 Hz 	1

**MAKLER COUNTING CHAMBER COVER GLASS WITH GRIDFOR MAKLER
CHAMBER WITH ACCESSORIES****ITEM NO: 13**

Specification For MAKLER COUNTING CHAMBER COVER GLASS WITH GRIDFOR MAKLER CHAMBER WITH ACCESSORIES	QTY
MAKLER COUNTING CHAMBER COVER GLASS WITH GRIDFOR MAKLER CHAMBER WITH ACCESSORIES <ul style="list-style-type: none">- The number of spermatozoa counted in any strip of 10 squares indicates their concentration as millions per ml.- 0.01 sq mm, 0.01 mm deep.	1

CRAFT DUAL VACUUM SUCTION PUMP WITH ACCESSORIES**ITEM NO: 14**

Specification For: CRAFT DUAL VACUUM SUCTION PUMP WITH ACCESSORIES	QTY
<u>CRAFT DUAL VACUUM SUCTION PUMP WITH ACCESSORIES</u> <ul style="list-style-type: none">- Steel housing, light weight- Easy read dial- Reliable, powerful- Vacuum from 0 to 500 mmHg- Voltage: 110V-220V 60 Hz	1

CO2 ANALYZER WITH FLUID PLANER

ITEM NO: 15

Specification For: CO2 ANALYZER WITH FLUID PLANER	QTY
<u>CO2 ANALYZER WITH FLUID PLANER</u>	1

CO2 GAS REGULATOR PLANER

ITEM NO: 16

Specification For: CO2 GAS REGULATOR PLANER	QTY
<u>CO2 GAS REGULATOR PLANER</u>	1

DIGITAL PH METER WITH STANDARD ACCESSORIES**ITEM NO: 17**

Specification For: DIGITAL PH METER WITH STANDARD ACCESSORIES	QTY
<p data-bbox="304 689 1123 725" style="text-align: center;"><u>DIGITAL PH METER WITH STANDARD ACCESSORIES</u></p> <ul data-bbox="199 757 801 1084" style="list-style-type: none">- Display: Digital- Measuring range pH: pH0 to pH14.00 in 0.01pH- Measuring range mV: 0 to +/- 1999mV- Repeatability pH: +/-0.01pH +/- 1 digit- Repeatability mV: +/- 1mV +/- 1 digit- Output: +/- 1V- Temp. compensation: ATC 0 to 100°C- Calibration: Manual calibration- Power consumption: 3VA- Operating temp. rang: 0 to 40°C- Voltage: 110V-220V 60 Hz	1

TOP LOAD BALANCE 600X0.02G.**ITEM NO: 18**

Specification For: TOP LOAD BALANCE 600X0.02G.	QTY
<p style="text-align: center;"><u>TOP LOAD BALANCE 600X0.02G.</u></p> <ul style="list-style-type: none">- Weighing Range: 600g- Readability: .02g- Linearity: +/- 0.02g- Voltage: 110V-220V 60 Hz	1

LABORATORY REFRIGERATOR WITH RECIRCULATION COOLING
AUTOMATIC DEFORSTING EXPORT- 462

ITEM NO: 19

Specification For: LABORATORY REFRIGERATOR WITH RECIRCULATION COOLING AUTOMATIC DEFORSTING EXPORT- 462	QTY
<p align="center"><u>LABORATORY REFRIGERATOR WITH RECIRCULATION COOLING</u> <u>AUTOMATIC DEFORSTING EXPORT- 462</u></p> <ul style="list-style-type: none"> - Capacity: 460 liters - Temperature setting: 0 to +10oC - Power draft, Watts: 160W - Average consumption kWh/24h: 1.0 - Number of shelves: 4 - Defrosting: Manual - Voltage: 110V-220V 60 Hz 	1

COOK STIPER (DENUATION STRIPPER)

ITEM NO: 20

Specification For: COOK STIPER (DENUATION STRIPPER)	QTY
<u>COOK STIPER (DENUATION STRIPPER)</u>	1

MICRO PIPETTE 20 UL CAPACITY

ITEM NO: 21

Specification For: MICRO PIPETTE 20 UL CAPACITY	QTY
<u>MICRO PIPETTE 20 UL CAPACITY</u>	1

ITEM NO: 22 **MICRO PIPETTE 1 ML CAPACITY**

Specification For: MICRO PIPETTE 1 ML CAPACITY	QTY
<u>MICRO PIPETTE 1 ML CAPACITY</u>	1

AIR FILTERATION SYSTEM (CODATWER)

ITEM NO: 23

Specification For: AIR FILTERATION SYSTEM (CODATWER)	QTY
<u>AIR FILTERATION SYSTEM (CODATWER)</u>	1

WATER DISTILLATOR

ITEM NO: 24

Specification For: WATER DISTILLATOR	QTY
<u>WATER DISTILLATOR</u>	1

TWO HEATING BLACK (FORTUBES)

ITEM NO: 25

Specification For: TWO HEATING BLACK (FORTUBES)	QTY
<u>TWO HEATING BLACK (FORTUBES)</u>	1

CODA INLINE FILTER (FOR CO2 FILTRATION)

ITEM NO: 26

Specification For: CODA INLINE FILTER (FOR CO2 FILTRATION)	QTY
<u>CODA INLINE FILTER (FOR CO2 FILTRATION)</u>	1