Single Lumen Needle
(Cyst Aspiration Needle)

Designed for transvaginal aspiration of cysts. This needle is available with or without a stylet. All needles have echogenic markings for easy recognition under ultrasound.

**Materials:** The needle and its connections are all manufactured from high grade surgical stainless steel.

**Sterilisation:** Steam sterilised and designed for single use only.

**Testing:** All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

Standard needle is 17 gauge x 31 cm. Also available in other gauges or lengths, please state when ordering.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.

Tel No.: +44 (0) 1372 720230    Fax No.: +44 (0) 1372 720260
Email: sales@casmed.co.uk    Website: www.casmed.co.uk
Double Lumen Oocyte Collection Set

Designed for transvaginal aspiration of follicles to obtain oocytes. The set includes needle with tubing and bung for connection to a standard test tube. This needle allows continuous aspiration and flushing of the follicle thereby reducing operating time. All needles have echogenic markings for easy recognition under ultrasound.

This needle is available in 15-17 gauge, standard needle length 30cm. The standard length tubing set is 60cm or 85cm.

**Materials:** The needle and its connections are all manufactured from high grade surgical stainless steel. The tubing is manufactured from translucent PTFE. Both the needle and tubing are available in different lengths and gauges.

**Sterilisation:** Steam sterilised and designed for single use only.

**Testing:** All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
Designed for transvaginal aspiration of follicles to obtain oocytes. The set includes needle with tubing and bung for connection to a standard test tube. This needle also incorporates a side arm to facilitate flushing if required. All needles have echogenic markings for easy recognition under ultrasound.

**Materials:** The needle and its connections are all manufactured from high grade surgical stainless steel. The tubing is manufactured from translucent PTFE. Both the needle and tubing are available in different lengths and gauges.

**Sterilisation:** Steam sterilised and designed for single use only.

**Testing:** All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

Standard needle is 17 gauge x 31 cm with 60 cm tubing – Order code SCSB. Also available in other gauges or lengths, please state when ordering.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
Single Lumen Oocyte Collection Set

Designed for transvaginal aspiration of follicles to obtain oocytes. The set includes needle with tubing and bung for connection to a standard test tube. All needles have echogenic markings for easy recognition under ultrasound.

**Materials:** The needle and its connections are all manufactured from high grade surgical stainless steel. The tubing is manufactured from translucent PTFE. Both the needle and tubing are available in different lengths and gauges.

**Sterilisation:** Steam sterilised and designed for single use only.

**Testing:** All materials are tested to mouse embryo blastocyst survival to ensure a non toxic, sterile product.

Standard needle is 17 gauge x 31 cm with 60 cm tubing – Order code SC1SE. Also available in other gauges or lengths, please state when ordering.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
Single Lumen Oocyte Collection Set – SC13S1932UE1T

Designed and manufactured solely in the UK by Casmed International for the transvaginal aspiration of follicles to obtain oocytes. The set includes a needle with tubing and bung for connection to a standard test tube.

Benefits include:
- the smaller gauge tip causes less trauma during oocyte collection.
- ultrasound marked for easy recognition under ultrasound.

The 19 gauge needle tip causes less pain, trauma and tissue damage without affecting the quality or results of the oocyte collection.

Materials: All Casmed needles are manufactured from high grade surgical stainless steel and are designed to a high quality with metal luer connections and handles. The tubing to the collection tube is manufactured from translucent F.E.P. Both the needle and the tubing are available in different lengths and gauges.

Sterilisation: Steam sterilised and designed for single use only.

Testing: All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

Standard needle is 19 gauge (joining a 17 gauge needle for added rigidity) and 32 cm needle length with 60 cm tubing - Order code SC13S1932UE1T. Also available in other gauges and lengths tailored to your needs.

All products are manufactured in accordance with quality standards ISO 9001-2008, ISO 13485 and CE marking.

Tel No.: +44 (0) 1372 720230   Fax No.: +44 (0) 1372 720260
Email: sales@casmed.co.uk   Website: www.casmed.co.uk
Our new range of catheters have been designed and manufactured in the United Kingdom to high industry standards of quality control.

It is reported that using soft embryo transfer catheters results in a significantly higher pregnancy rate as compared to firm catheters.

The range comprises of a soft catheter encased in an outer sheath. The catheter tip is rounded and smooth for non traumatic access. The outer sheath and catheter are marked with 1cm graduations to indicate degree of advancement.

The test catheter is available for use prior to embryo transfer and as a stylet only, for more complex procedures.

**Materials:** Catheter made from ultra soft non-embryo toxic polyurethane.

**Testing:** All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

**Sterilised:** Sterilised by using gamma irradiation and designed for single use only.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.

**Order details:**

<table>
<thead>
<tr>
<th>Catalogue No:</th>
<th>CAS/ET18 Catheter</th>
<th>CAS/ET18/TC Test Catheter</th>
<th>CAS/ET18/ST Stylet only</th>
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<td>Quantity per box:</td>
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<tr>
<td>Catheter length:</td>
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<td>18cm</td>
<td>18cm</td>
</tr>
</tbody>
</table>

Tel No.: +44 (0) 1372 720230  Fax No.: +44 (0) 1372 720260
Email: sales@casmed.co.uk    Website: www.casmed.co.uk
**Embryo Transfer Catheter**
*(20cm Twin Lumen Catheter with Stylet)*

- **Dual Lumen Catheter Tubing**
  - Embryo channel (open end) [A]
  - Stylet channel (closed end) [B]

- **Smooth rounded tip with embryo channel open.**

  Catheter constructed from ultra-soft high purity, non-embryo-toxic polyurethane. Marked with 10 x 1cm graduations.

  Malleable, stainless steel stylet which can be adjusted to any desirable shape and is visible under ultrasound.

  Catheter marked with 5 x 1cm graduations to indicate the distance between the catheter and stylet tips.

  All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.

Tel No.: +44 (0) 1372 720230   Fax No.: +44 (0) 1372 720260
Email: sales@casmed.co.uk   Website: www.casmed.co.uk
**Embryo Transfer Catheter**

(20cm Twin Lumen Catheter with Stylet)

**PROPOSED DIRECTIONS**

This totally novel design ensures an easy access through the cervical canal yet, with an extremely soft smooth-ended catheter, minimises the risk of damage to the wall of the uterus or the fundus. Avoiding such trauma is critical to the successful implantation of the embryo.

1. The device consists of a dual lumen catheter. The first lumen has a closed rounded tip and carries a stainless steel stylet which is malleable to allow for bending to a predetermined shape (from previous examinations of the route through the cervical canal). The stylet provides sufficient rigidity to ease the passage through the canal.

2. The other lumen is open-ended but still extremely smooth. The stiffness provided by the stylet also makes the loading of the embryo(s) easier under the microscope. Once loaded the device is inserted through the cervical canal as far as the internal os. The 1cm graduation marks from the tip of the catheter will assist in determining this point which can also be confirmed using ultra sound.

3. From the internal os the catheter only is advanced the required distance into the uterus. This can be observed by the graduations on the catheter which show the distance between the distal tips of the catheter and stylet.

4. The extreme softness of the catheter and its very smooth tip will avoid damage to the uterine wall during passage towards the fundus. It is still advisable to stop just short of the fundus, without touching it, before transferring the embryo(s).

5. This procedure ensures easy access in almost every case without the need for dilation or other devices. Coupled with the softness and smoothness of the tip, this catheter provides the least traumatic method available for transferring embryo(s).

**Order details**

<table>
<thead>
<tr>
<th>Catalogue No:</th>
<th>ETC20</th>
<th>ETC23</th>
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<tr>
<td>Sterilised by:</td>
<td>Gamma Irradiation</td>
<td>Gamma Irradiation</td>
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Catheter and stylet are sold as complete set - single use only.
Closed, rounded tip for non-traumatic access. Side eye for good sperm distribution with minimal deadspace beyond the eye.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.

The side eye of the catheter provides for good sperm distribution with minimal deadspace beyond the eye.

18cm/16g catheter made from high purity, soft, toxicity tested polymer, marked with 10 x 1cm graduation marks.

Malleable, stainless steel stylet which can be adjusted to any desirable shape and is visible under ultrasound.

Insemination Catheter with Stylet

18cm/16g catheter made from high purity, soft, toxicity tested polymer, marked with 10 x 1cm graduation marks.

Malleable, stainless steel stylet which can be adjusted to any desirable shape and is visible under ultrasound.

The side eye of the catheter provides for good sperm distribution with minimal deadspace beyond the eye.
Insemination Catheter with Stylet

This product has been designed for the introduction of prepared sperm solution into the cavity of the uterus. The soft material and smooth rounded tip will avoid any damage to the uterine wall or fundus yet the stiffness of the introducer stylet will make entry through the cervical canal simple and less traumatic to the patient. The following is a suggested procedure but final choice must be decided by the clinician responsible:

1. The catheter and stylet are supplied assembled together.
2. This is inserted through the cervical canal as far as the internal os.
3. The catheter itself can be advanced further into the uterus whilst the stylet is kept in position or gradually withdrawn.
4. With the catheter in its desired position, the stylet is totally withdrawn. The volume of the catheter is 0.3cc, so this amount of air is drawn into the syringe, then the required volume of sperm solution. The contents of the syringe are then injected into the uterus. The introduction of air ensures that the sperm solution is fully ejected.
5. With some configurations of the uterus, e.g. inverted “S” shape, it may be desirable to pre-shape the catheter before insertion. The stylet will maintain the shape and patency of the catheter.
6. The softness of the catheter avoids any possible damage inside the uterus which can affect the successful attachment of the fertilised egg. This softness makes the catheter unsuitable for insertion on its own and it should always be used with the stylet which makes entry and passage through the cervical canal much easier than stiffer catheter only systems. However, care should be taken not to advance the stylet any further than the internal os.

Order details
Catalogue No: IUI 18
Quantity per box: 50
Catheter Length: 18cm
Sterilised by: Gamma Irradiation
Catheter and stylet are sold as complete set - single use only
Distributed by Casmed and designed as a single use, non-latex, sterile, disposable, suction curette for obtaining a histologic biopsy of the uterine mucosal lining or sample extraction of uterine menstrual content for microscopic examination or culturing.

The device consists of a clear flexible, plastic sheath with graduation marks from the distal tip to indicate the depth of insertion into the uterus during use. The sampler has a solid tapered tip and minimum outer diameter combined for simple and comfortable introduction.

Super suction and sharp curette opening ensures a reliable sample collection for optimal sample retrieval. The firm and flexible cannula prevents kinking on insertion.

**Materials:** Manufactured in a non-latex clear, flexible plastic  
**Sterilised:** Sterilised by Ethylene Oxide and designed for single use only

**Order details:**
- Catalogue Number: TMI1175
- Quantity per box: 25
- Catheter length: 25cm
- Sterilised by: Ethylene Oxide

Single use only.

Tel No.: +44 (0) 1372 720230    Fax No.: +44 (0) 1372 720260  
Email: sales@casmed.co.uk    Website: www.casmed.co.uk
Distributed by Casmed, the Shapeable HS Catheter is a single use, non-latex, sterile, disposable balloon catheter with an insertion sheath. A syringe is included for balloon inflation.

The catheter is for use in administering contrast media or saline during Hysterosalpingography and Sonohysterography procedures to detect uterine pathology such as polyps, fibroids, adhesions or endometrial thickening, and/or patency of fallopian tubes.

The device is available in sizes 5Fr and 7Fr and has an integrated stylet that is malleable and can be re-shaped as necessary. The angle can be set to align with the cervical canal. The stiffness is beneficial for restricted or stenotic cervical canal. The placement sheath decreases the need for a tenaculum.

The catheter can be used with either saline or water-based contrast media.

**Materials:** Manufactured in a non-latex materials
**Sterilised:** Sterilised by Ethylene Oxide and designed for single use only.

**Order details:**
- **Catalogue Number:** TMI1185
- **Quantity per box:** 10
- **Catheter length:** 28cm
- **Sterilised by:** Ethylene Oxide

Tel No.: +44 (0) 1372 720230    Fax No.: +44 (0) 1372 720260
Email: sales@casmed.co.uk    Website: www.casmed.co.uk
**Shapeable Hysterosalpingography (HS) Catheter**

**INSTRUCTIONS FOR USE:**

**Contraindications:**
Suspected infection, suspected pregnancy, profuse bleeding or sexually transmitted disease.

**Precautions:**
Do not exceed the recommended balloon inflation volume (1.5cc for the 5F catheter and 3cc for the 7F catheter) or the balloon may burst.

The use of Oil-BASED contrast media such as ethyl esters may interact with the balloon of the catheter, causing possible balloon rupture. The use of aqueous contrast media is recommended.

**Adverse Events:**
Some patients may have a hypersensitivity to contrast media.

**Instructions:**
1. Remove catheter from pouch.
2. Remove and discard the protective yellow sleeve.
3. Test balloon inflation with air using the supplied syringe, check for leaks, deflate.
4. Attach a contrast media or saline filled syringe (not supplied) to the luer connector. Inject contrast media or saline through catheter to remove air. Advance the insertion sheath so that the distal end of the catheter protrudes slightly from the distal end of the sheath.
5. View the cervix and advance the sheath and catheter so that the tip of the catheter enters the cervix.
6. Advance the catheter through the cervical canal and into the uterus.
7. Open the stopcock and slowly inflate the balloon with up to 1.5cc for the 5F catheter and 3cc for the 7F catheter of either air or saline.
8. Close the stopcock allowing the balloon to remain inflated. Gently withdraw catheter so balloon will rest against internal os.
9. Inject contrast media or saline into the uterus and complete the examination.
10. Open the stopcock to deflate the balloon. Withdraw the catheter.
A sterile filter set is essential in the prevention of accidental contamination of your aspiration unit during oocyte collection. It is recommended that sterile filter sets are changed between patients.

The filter set comprises of a 1.5m PVC tubing connected to a hydrophobic filter with the tubing set connected to the needle by a standard luer connection. Two sterile tubing filter sets are available to fit either your Rocket or Cook aspiration pump. We also produce a tubing set to connect a Labotec pump to the luer lock on our oocyte collection sets.

Please order the following codes:
- TS/12/R to fit Rocket Digital Aspiration Pump
- TS/13/C to fit Cook KMAR Aspiration Pump
- TS/14/L a Labotec Pump Connection Set to fit Labotec Aspiration Pump

**Materials:** The vacuum tubing is manufactured from medical grade PVC and connected to a PTFE hydrophobic filter with silicone tubing from the filter to the pump. The TS/14/L consists of PVC silicone tubing and a luer lock connection.

**Sterilisation:** Ethylene Oxide and designed for single use only.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
A complete kit for the Transoesophageal Echocardiography (TOE) probes used in adult and paediatric patients.

This kit consists of an ULTRACOVER®, a syringe filled with transmission gel, an extension tube, a bite guard and a twistlock.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
TOE Cover
Trans Oesophageal Echocardiography Probecover

SAFE. HYGIENIC. LATEXFREE.

Unique latexfree and high elastic probe cover with applicator for easy use and transmission gel syringe already set in place.
TOE Cover
Trans Oesophageal Echocardiography Probecover

<table>
<thead>
<tr>
<th>Our Offer</th>
<th>Your Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipped probecover universal to all TOE Probes</td>
<td>Seamless and very elastic cover for optimum fit and best patient comfort</td>
</tr>
<tr>
<td>Latexfree</td>
<td>Protection of patients sensitive to latex</td>
</tr>
<tr>
<td>Efficient applicator</td>
<td>Easy application of cover on the probe</td>
</tr>
<tr>
<td>Transmission gel syringe set in place</td>
<td>Fast and simple transmission gel injection, time saving</td>
</tr>
<tr>
<td>Individually tested</td>
<td>Optimum safety for patient and staff</td>
</tr>
</tbody>
</table>

RECOMMENDED COVERING TECHNIQUE

1. Push the transmission gel into the tip of the cover.
2. Remove syringe.
3. Parcel the gel out.
4. Slip the transducer via the applicator into the latexfree cover.
5. Remove applicator.
6. Fasten the cover by means of the twistlock, apply bipleurad, and the probe is ready for use.

PACKAGING AND ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
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<td>Sterile, 12 pieces</td>
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<td>PU Kit UC 25/11/1000</td>
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</table>
Ultrasound Innovation

General Purpose, Endocavity and Intraoperative Probe Covers

All products are manufactured in accordance with quality standards ISO 13485 and CE marking.
Equipment Protection, Patient Protection, Your Protection

• We offer one of the industry’s most complete selections of high quality disposable probe covers for the safe use of ultrasound probes
• Prevents the risk of transmission of infection and infectious diseases to patients and staff during procedures
• Eliminates costly and time consuming disinfection

Benefits also include protection of equipment, savings in number of probes required, reduced maintenance costs
• Each cover is individually tested and packed
• Acoustically transparent to prevent distortion of image
• Available in sterile and non-sterile, latex and latex-free material

They are recommended for use in the following hospital departments:

**Cardiology** - Ultrasound probes are used in cardiology and during heart surgery. The ULTRACOVER® line includes a sterile kit for the Transesophageal Echocardiography (TOE) probes used in adult and paediatric patients. This kit consists of an ULTRACOVER® (either latex or non-latex) together with a syringe filled with transmission gel, an extension tube, a bite guard and a fixing aid. The sheaths and bite guards are available separately.

**Intra-operative applications** - We offer a cover for most types of probes used to image organs during surgical interventions. A procedure kit has been developed specifically for laparoscopic ultrasound procedures. This kit comprises of a polyurethane laparoscope cover, a syringe filled with transmission gel, an extension tube, a cable cover and fixing tape.

**Gynaecology** - Transvaginal probes are increasingly being used in gynaecological procedures. These techniques bring probes into closer proximity to the target organs providing better images for use in diagnosis. These covers offer the best-fitting cover for all of the major transvaginal probes currently in use.

**Urology** - The use of transrectal probes usually requires two different covers – one a sanitary cover and the other is a water stand-off cover for near-field visualisation. We offer both types of covers to facilitate the correct use of transducers in this application.

**Radiology** – The X-Ray department generally carries out all types of ultrasound procedures and so a wide range of probes are used including linear, sector and convex. For sterile procedures we offer a sterile cover that also protects the cable cover.

**Gastroenterology** – We offer several covers, including water stand-off balloons, for the internal imaging of stomach, gall bladder, pancreas and other anatomy.

All products are manufactured in accordance with quality standards ISO 13485 and CE marking.
As technology has advanced, the necessity to filter air has become even more important.

Ultraviolet light technology combined with Photo-Catalytic-Oxidation is an important and unique feature of this air purification/filtration system.

No matter how well you maintain your laboratory, your work area can be filled with air pollutants, dust particles, mold spores, dander, pollen, dust mites, cleaning chemicals, volatile organic compounds (VOCs), chemically active compounds (CACs), carbon monoxide, viruses, and bacteria.

Add to this the chemical irritants lurking about... in carpets from the front office, behind the walls, from off-gassing in plastic materials, in the cleansers and waxes used to keep your laboratories and work surfaces clean. All these have a direct influence on your results. The key to effective air filtration of damaging volatile organic compounds is in the Photo Catalytic Oxidation Chamber. The chemical compounds become highly reactive when exposed to a specific wavelength of ultraviolet light. The photocatalyst attracts pollutants and converts them into benign compounds such as water (H₂O) and carbon dioxide (CO₂).

The zIVF-AIRe 100C CLEAN AIR™ Air Filtration / Purification System significantly reduces:

- Bacteria & Viruses
- Mold
- Fungus
- Cleaning Chemicals
- Paint
- Solvents
- Ozone & Smog
- Nitrous Oxide
- Hair Spray
- Perfume
- Pesticides
- Alcohols
- Ammonia
- Chlorinated Solvents
- Carbon Monoxide
- Over 50 other chemicals were decomposed significantly with the zIVF-AIRe 100C CLEAN AIR™ Air Filtration / Purification System.

STEP ONE - Absorbs toxic chemicals and gases

The FRONT POSITION Activated Carbon Filter with specially formulated gas absorption media (including zeolite and potassium permanganate) absorbs automobile exhaust fumes, organic hydrocarbons, formaldehyde from particle boards used in construction, paint, solvents, chlorine, cleaning chemicals, volatile organic compounds (VOCs), chemically active compounds (CACs) and other harmful agents.

STEP TWO - Hospital Grade HEPA Filter removes micro-particles

A Back-Position Hospital Grade HEPA Filter individually tested by the supplier and certified to remove particles of 0.3 µm with not less than 99.97% efficiency by an approved aerosol. Pollen, mold, fungal spores, dust mites, and bacteria are examples of micro particles.

STEP THREE - Photo-Catalytic-Oxidation destroys toxic chemicals and eliminates odours

The Photo-Catalytic-Oxidation converts malign toxic compounds (even carbon monoxide and nitrous oxide) into benign constituents such as H₂O and CO₂. The catalyst is such that it does not wear out or lose its effectiveness as a result of its actions.

STEP FOUR - Ultraviolet Light

Ultraviolet light attacks the molecular structure of viruses and bacteria, which are too small to be filtered out by the HEPA filter, thus rendering them harmless. Ultraviolet light converts VOCs and CACs into H₂O and CO₂. Ultraviolet light technology combined with Photo-Catalytic-Oxidation is an important and unique feature of this air purification / filtration system.
Electronic Sensors

Electronic sensors monitor air quality and automatically increase the performance of the air purification system to compensate for periods of unusually high chemical activity, and increased human activity.

Warning lights alert staff to the presence of toxic chemicals and fumes well before they reach dangerous levels or become detectable to the human senses. In the absence of high activity, the air purification system can switch into a sleep mode and “wakes up” as soon as it detects activity.

Photo-Catalytic Purification cleans air down to the last molecule

The key to Photo-Catalytic-Oxidation is the titanium dioxide in the photo-catalytic chamber, where it becomes highly reactive when exposed to a specific wavelength of ultraviolet light. In the presence of organic pollutants, such as solvents, alcohols, carbon monoxide, dyes, and fuel oils, the activated photo-catalyst attacks the chemical bonds of the pollutants, converting the toxic compounds into benign constituents such as H₂O and CO₂.

The UV lamp used in the zVF-AiRe 100C CLEAN AIR™ Air Filtration/Purification System has an output in the 254-nanometer wavelength range. This wavelength destroys bacteria and viruses and does NOT produce ozone.

Ozone is not detected in any measurable quantity at the exit grill of an operating zVF-AiRe 100C CLEAN AIR™ Air Filtration/Purification system. The “blue” visible light seen when the unit is operating is characteristic for the UVC lamp, and is not an indication of UV radiation emission.

Feature Summary of the zVF-AiRe 100C CLEAN AIR™ Air Filtration/Purification System

- Air Purification is effective up to 2,000 square feet / 185m² and it only costs a few pence a day to operate full time, 24 hours a day.
- The FRONT POSITION Activated Carbon Filter (ACF) a specially formulated mixture of proprietary compounds selected to absorb all VOCs and CACs in the IVF laboratory environment. The specially formulated gas absorption media (including zeolite and potassium permanganate) absorbs automobile exhaust fumes, organic hydrocarbons, formaldehyde from particle boards used in construction, paint, solvents, chlorine, cleaning chemicals, volatile organic compounds (VOCs), chemically active compounds (CACs) and other harmful agents.
- The zVF-AiRe 100C CLEAN AIR™ has a back-position Hospital Grade HEPA Filter individually tested by the supplier and certified to remove particles of 0.3 micrometers with not less than 99.97% efficiency by an approved aerosol.
- Electronic Sensors monitor air quality and automatically increase or decrease the performance of the air purification system.

zVF-AiRe 100C CLEAN AIR™ Air Filtration / Purification System Description

- Air outlet grill with safety lock
- Air inlet grill with safety lock
- High output UV lamp destroys germs
- Photo-catalytic oxidiser
- High efficiency, low noise, reversed curved, motorised impeller w/sealed ball bearings
- High impact abs plastic with no off-gassing
- Activated carbon filter
- Hospital grade HEPA filter
- Computerised electronic controls
- Infra-red motion detector
- Toxic chemical sensor to monitor air quality

zVF-AiRe 100C CLEAN AIR™ Air Filtration / Purification System Technical Specifications

Dimensions: 21.5”w X 18”h X 8”d (55cm X 46cm X 20cm)
Weight: 23 lbs. (10.43 kg)
Max Air Flow: 265 cfm / 7.5 m³ per minute
Max Watts: 110 watts
Voltage: 120v - 60hz / 220v - 50hz
Blower: Reversed - curved motorized impeller
Catalyst: Metal oxides
U.V. Range: 254 nm (produces no ozone)
Particle Filter: 0.3 micron HEPA
Gas Absorption: Activated carbon media
Application: 2,000 sq. feet max./185 sq. metres
Service: U.V. Lamps - 1 year, Filters - 6 months
Warranty: 2 year limited warranty on all components excluding light and filters
We hold a large range of metal reusable needles guides for use with ultrasound probes. They are designed to direct needles for accurate placement for oocyte collection.

Features:
- Our instruments are designed and manufactured to a high specification in the UK and made of high grade surgical stainless steel.
- Disposable sterile needles guides are also available for a wide range of ultrasound probes.
- Guides accept needles from 18 gauge to 15 gauge.
- Guides available for most ultrasound probes including Toshiba, Siemens, Aloka, etc.
- Reusable guides reduce procedure costs.
- Cleaning brushes available sharpness.

Materials: High grade surgical stainless steel.
Sterilisation: Produced non-sterile and re-usable. Can be sterilised by steam.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
Our Kilani ETD instruments are designed and manufactured to a high specification in the UK. They are made of high grade surgical stainless steel.

Available with or without olive.

**Materials:** High grade surgical stainless steel

**Sterilisation:** Produced non-sterile and re-usable. Can be sterilised by steam.

All products are manufactured in accordance with quality standards ISO 9001:2008, ISO 13485 and CE marking.
Veterinarian/Zoological Products

This double channel non-sterile needle may be used either laparoscopically or by ultrasound directed follicle aspiration for oocyte collection.

Features of this needle are:

**Double lumen**
- Needle designed and manufactured in the UK to high specification with proven record of quality control
- Marked near tip to enhance visualisation during ultrasound directed follicle aspiration
- Economical as the outer sheath can be easily replaced ensuring that the needle always has a sharp point without the expense of replacing the whole needle
- Tubing sets available separately at length required by customer. Easy to use as flushing and aspiration can occur without making adjustments to the device such as changing tubing
- Continuous flushing and aspiration reduces operating time
- Absence of “dead space” allows aspiration of complete follicle contents
- Needles and outers can be made from 10cm in length to 70cm – the length can be made to customer specification.

**Concentric tube**
- Combines optimum internal diameter for oocyte aspiration with acceptable outer diameter
- Needle is circular in cross section and there is no leakage if needle is rotated whilst in follicle

**Needle point**
- Specially ground in order to obtain maximum sharpness