



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.

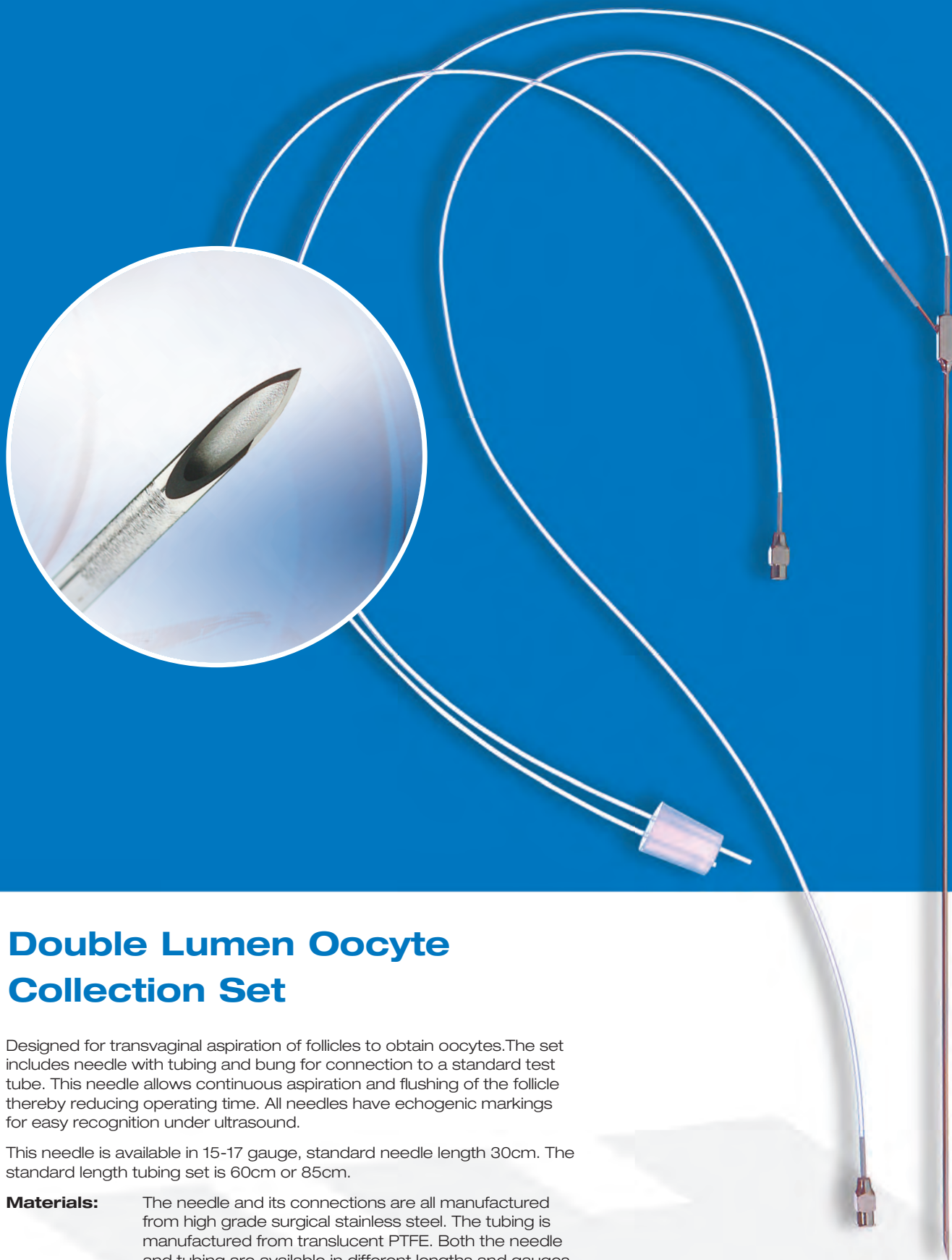
Testing: All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

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.

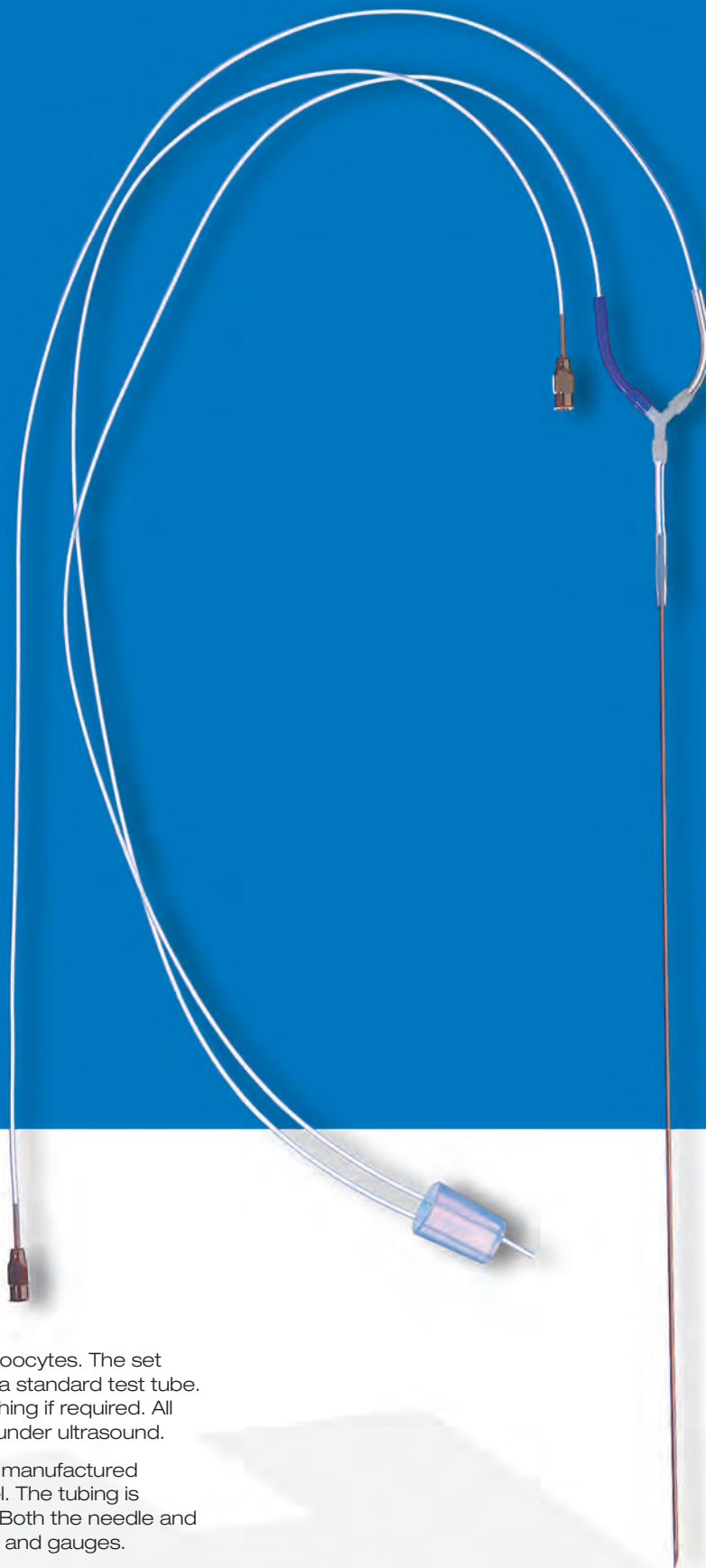
This needle is available in 15-17 gauge, standard needle length 30cm. The standard length tubing set is 60cm or 85cm.

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.



Single Lumen Oocyte Collection Set (with Side Arm)

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.

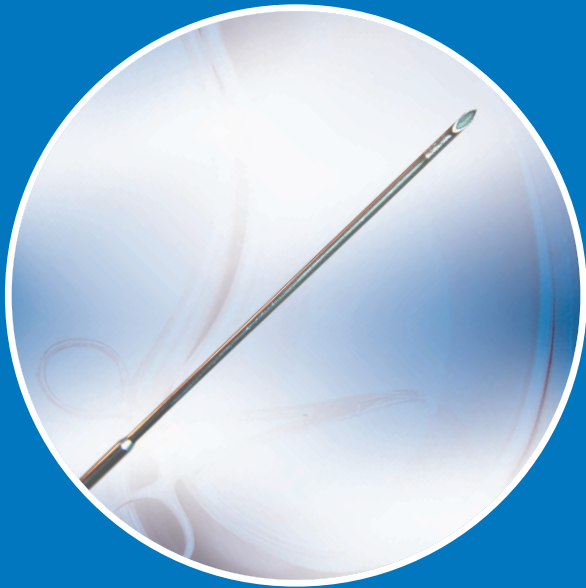
Sterilisation: Steam sterilised and designed for single use only.

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.

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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.

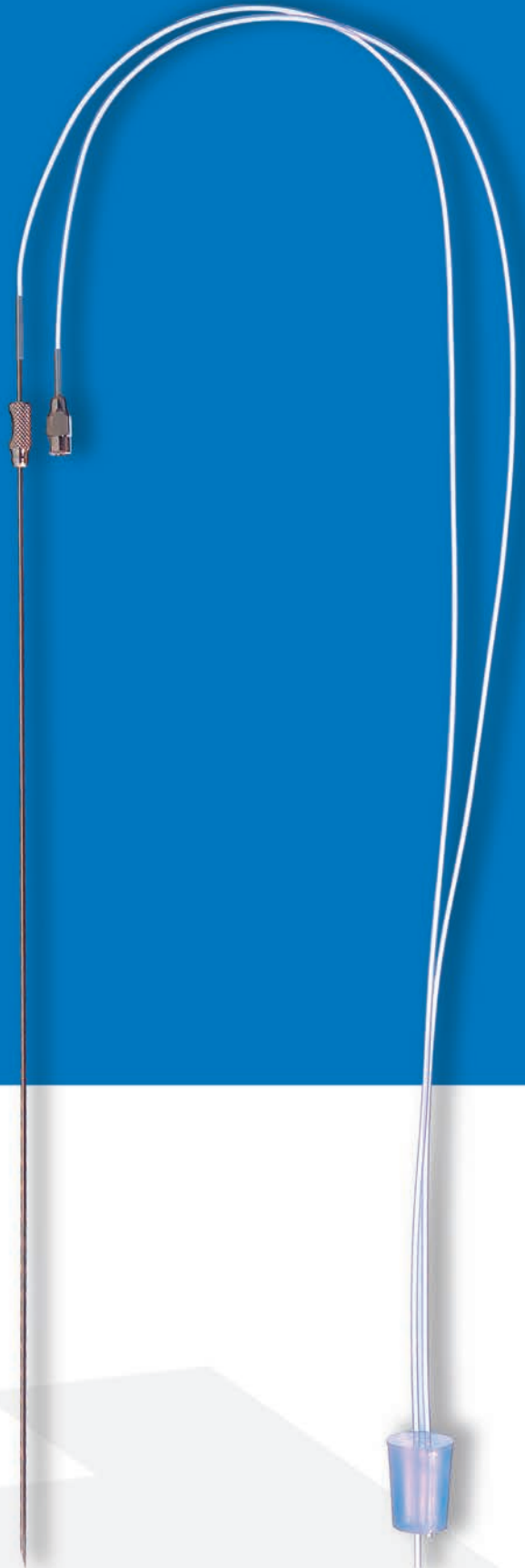
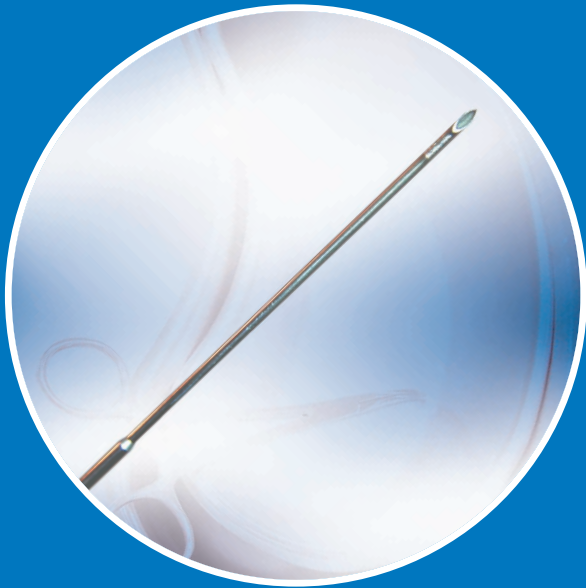
Testing: All materials are tested to mouse embryo blastocyst survival to ensure a non-toxic, sterile product.

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.

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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.

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**For Cook KMAR Pump
Code: TS/13/C**



**For Rocket Pump
Code: TS/12/R**



**For Labotect Pump
Code: TS/14/L**

Sterile Filter Tubing Set

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 Labotect 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 Labotect Pump Connection Set to fit Labotect 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.

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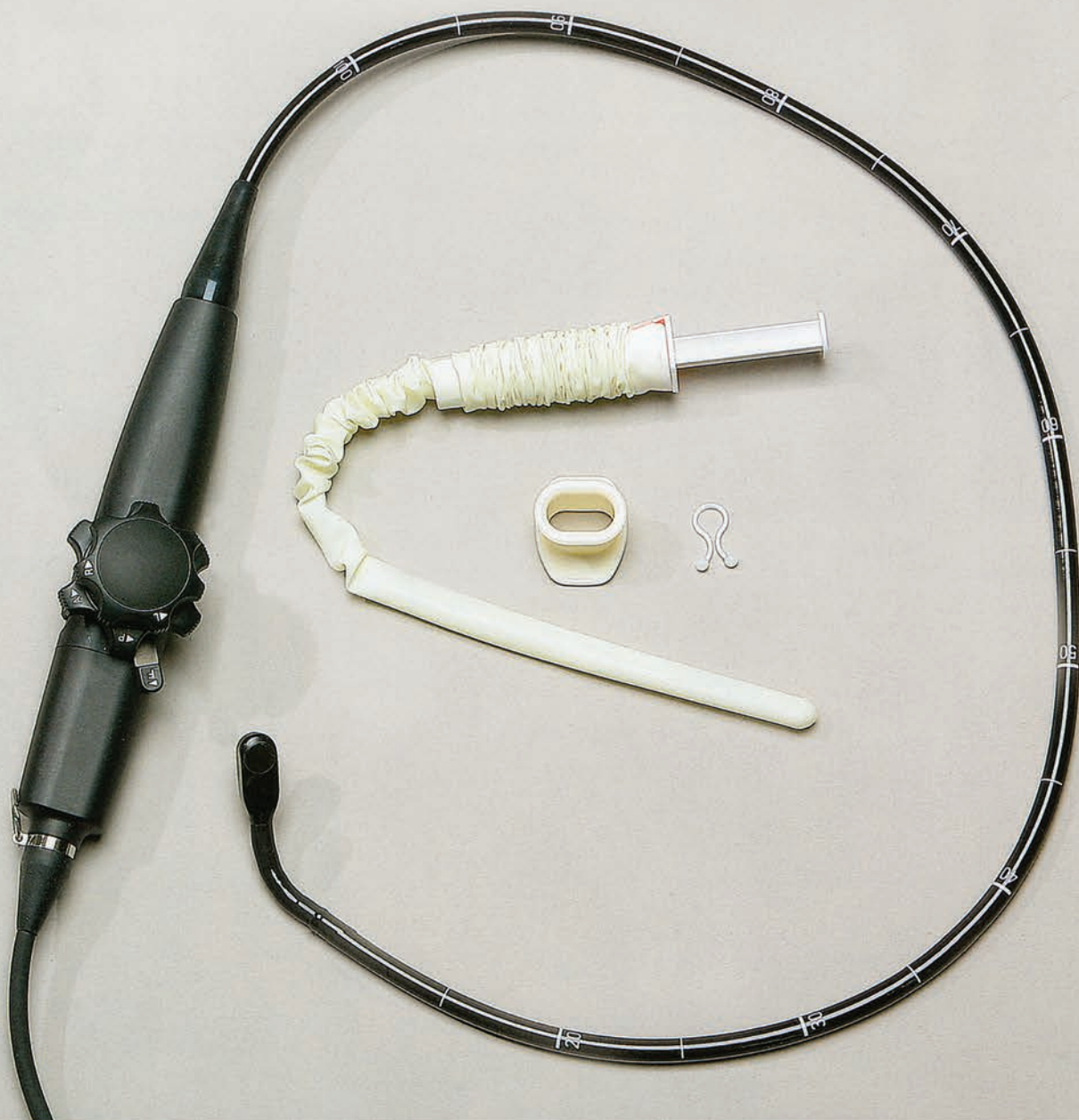


Ultracover - Toe Kit

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

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



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 biteguard, and the probe is ready for use.

PACKAGING AND ORDERING INFORMATION

PIP Kit UC 25/11/1000
Sterile 12 pieces

88511

PU Kit UC 25/11/1000
Sterile 12 pieces

87111



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



Endocavity covers

Recommended for transrectal and transvaginal procedures



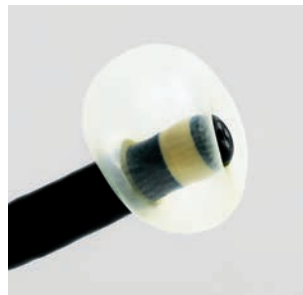
General purpose covers

Recommended for general scanning and biopsy procedures



TOE covers

Recommended for TOE procedures



Water stand-off balloons

Recommended for near-field visualisation



Intraoperative covers

Recommended for surgical procedures. Surgical/Intraoperative covers (from left to right): L-tip, straight tip, burr hole, small T-tip, large T-tip.

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.

zIVF-AIRe 100C CLEAN AIR™ for use in IVF Laboratories

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 (H_2O) and carbon dioxide (CO_2).

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

- | | |
|----------------------|------------------------|
| • Bacteria & Viruses | • Hair Spray |
| • Mold | • Perfume |
| • Fungus | • Pesticides |
| • Cleaning Chemicals | • Alcohols |
| • Paint | • Ammonia |
| • Solvents | • Chlorinated Solvents |
| • Ozone & Smog | • Carbon Monoxide |
| • Nitrous Oxide | |

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 $0.3 \mu m$ 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 H_2O and CO_2 . 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 H_2O and CO_2 . 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 zIVF-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 zIVF-AIRe 100C CLEAN AIR™ Air Filtration / Purification system.

UV light is not reflected by most surfaces but absorbed and thus cannot exit through the outlet grill of the zIVF-AIRe 100C CLEAN AIR™ air 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 zIVF-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 zIVF-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.

zIVF-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

zIVF-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 m ³ 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



**Siemens
Short**

**Toshiba
Ultra**

**Aloka
Spring**

Needle Guides

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

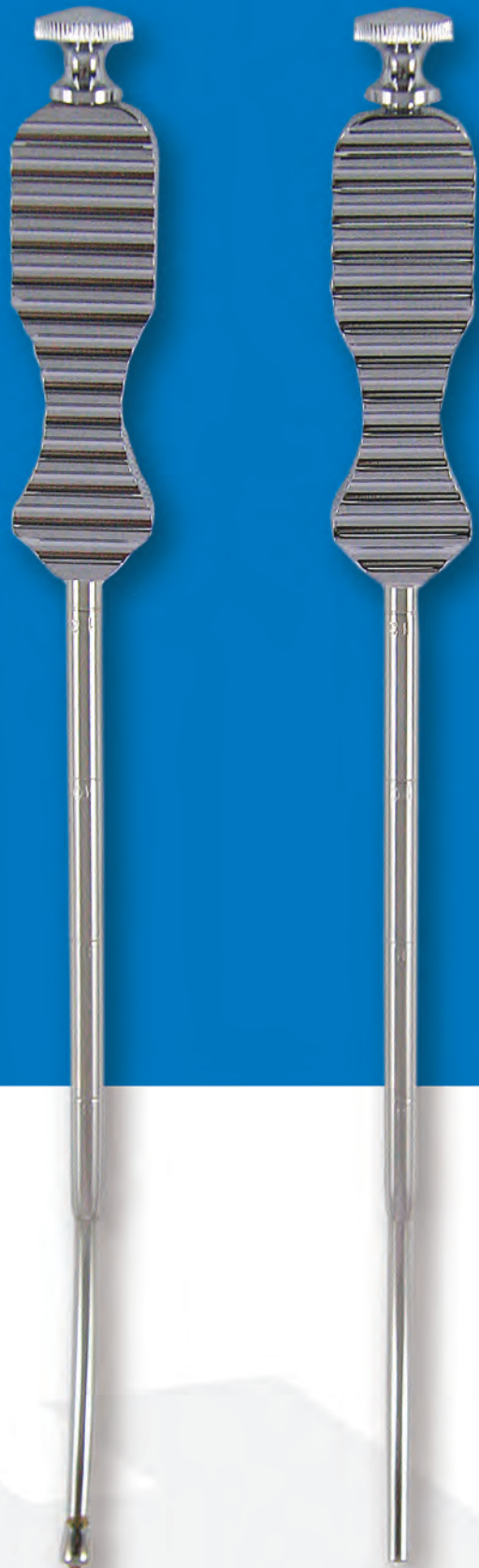
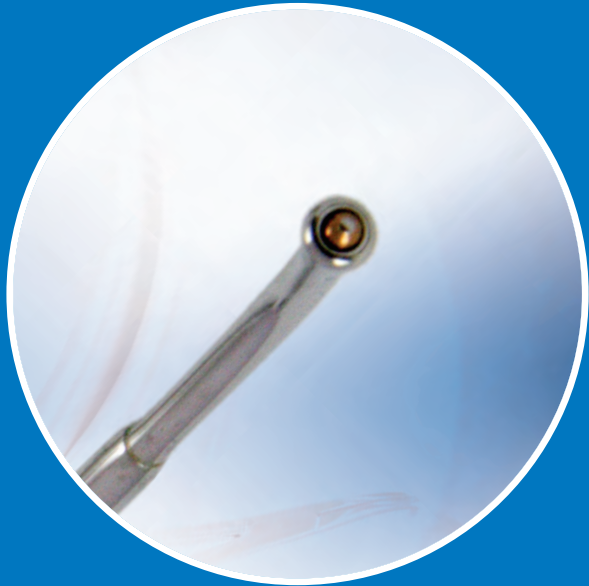
Materials: High grade surgical stainless steel

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.



**Aloka Spring
mechanism**



Kilani Embryo Transfer Device

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