



BEETTA INSTRUMENTS AND EQUIPMENT CO.,



VETERINARY DIAGNOSTIC, **IVF AND OPU** EQUIPMENTS



www.beettavet.in



DRAMINSKI POLAND MAKE VETERINARY ULTRASOUND SCANNERS

A premium class mobile ultrasound machine for quick, precise and comprehensive health diagnosis in Big and Small Animals. Intuitive menu, crystal clear touch screen and user friendly interface create a great tool for high quality imaging both in clinic and field environment.

Modern ultrasound scanner with excellent Doppler ultrasonography and high quality imaging.

DRAMINSKI POLAND MAKE OPU HANDLE

If you want to follow the trends and provide the highest quality of veterinary service, Ovum Pick-Up is the must have in your offer. We prepared the widest portfolio of solutions which will satisfy your needs.

We offer the modular, two-piece Ovum Pick-Up System, compatible with a removable microconvex probe, and the one-piece Ovum Pick-Up Monoblock, with a fixed built-in probe.



DRAMINSKI POLAND MAKE ILENS GOGGLES TYPE SCANNER

iLens goggles define a new standard in animal ultrasound examination. The use of Augmented Reality (AR) technology displays guarantees greater user safety when working with animals. Designed for veterinary doctors and technicians performing ultrasound examinations of farm animals. In combination with a compatible Draminski ultrasound scanner, they will be used primarily in examining the reproductive system of cattle and horses, confirming and monitoring pregnancy, determining the age and sex of the fetus, as well as examining the lungs in calves, the udder and teats, and the abdominal organs.

PLANER UK MAKE TRI GAS INCUBATOR

Designed to protect and care for every embryo

Providing consistency in temperature and pH control combined with ergonomic, precision-engineered functionality, the BT37 Mark II protects and cares for your embryos and gametes.

The BT37 Mark II keeps every vital parameter temperature, CO₂ and reduced O₂ – consistent. It has been designed to work with our SignipHy™ pH monitoring system. Its soft close lid and ergonomically designed twist-locks give you improved chamber access. The BT37 Mark II is simpler than ever to use, with easy-change humidification bottles.

Offering multiple functional improvements, great design and effective homeostatic controls, you can see at a glance the temperature and alarm status and can change settings at a touch. The BT37 Mark II shows our commitment to care throughout every patient cycle.



COOPER SURGICAL USA MAKE IVF WORK STATIONS

IVF workstation range designed to work in assisted conception processes and procedures, offering superior HEPA filtered (99.97% efficiency for a 0.3 µm particle) air

Even curtain of non-turbulent air flow filtered with HEPA filters, H-14 type (99.97% efficiency for 0.3 µm particles), Noise level < 48 dBA, Even and stable temperature in the heated surface, The Heated surface is microscope prepared and includes, a heated glass stage, and an LED light source as standard, Integrated temperature controlled humidification system enabling full flexibility for short-term incubation, Programmable auto-start and shut-down functions of all built in features, including air flow, 21.5" LCD monitor, external data output via USB, and electrical outlets are included as standard.

COOPER SURGICAL USA MAKE ANTI VIBRATION TABLE

Designed and developed to meet the requirements of ICSI Procedures. The Anti Vibration Table AVI is able to handle heavy and less heavy inverted microscopes. The Spring system can be tuned to the optimal resonance frequency. Vibrations are eliminated by a complex anti vibration system achieved through an optimized choice of mass and stiffness supports and ensures a fast dampening effect. The inverted microscope is placed on an equilibrated and isolated platform, which gives a smooth and roomy work space around the microscope for micromanipulation, equipment, mini incubators, patient records etc.



NIKON JAPAN MAKE MICROSCOPES

Microscopes for an optimized IVF procedures flow. CooperSurgical offers ideal solutions to allow optimised ICSI and Biopsy work in the lab. Our workstations can be equipped with inverted microscopes with room for manipulation that offer high resolution and high contrast imaging.

Modulation / Relief Contrast for IVF Procedures

Also called relief contrast microscopy, or Hoffman modulation contrast, this technique is used when observing colourless, transparent samples. Modulation contrast converts the difference in surface heights of a sample to brightness contrast for observation. This allows for samples to be viewed in 3D and thus this microscopy is suitable for observing sperm and egg cells.

Why Modulation Contrast?

- Specimens appear three dimensional
- Observation of cells in plastic containers
- Observation of sperms, oocytes, blastocysts and embryos

RI MAKE MICRO MANIPULATOR

Featuring Thermosafe™

Every detail of the RI Integra 3™ is geared towards one goal – to ensure you create the best possible conditions for ICSI and sample manipulation.

We recognise that temperature and time are critical within an ART lab. RI Integra 3™ is ultra-responsive and effortlessly smooth, so it's quick and easy to use, thanks to RI's advanced mechanical design. You can change micropipettes in seconds, which can transform the efficiency of your lab overnight.

We have increased the size of the integrated heated stage by 40% but kept the footprint to a minimum to keep your work area uncluttered.



COOPER SURGICAL USA MAKE HEATED TROLLEY

Designed for the aspiration room. The easily cleaned trolley has a smooth surface ready to be covered with sterile tissues, and provides an ideal space for media and follicular fluid during oocyte retrieval.

The mobile trolley features:

- Alu heated table top with control panel and digital reading of temperature
- Heated drawer
- Shelf for storage
- Castors, 2 with brakes



WTB BRAZIL MAKE ASPIRATION PUMP

Bovine Follicular Aspiration Pump (20032)
Wireless pedal to turn vacuum on/off.
Combines pump and tube heater in one device.
Warmer capacity: 6 x 50 mL tubes.
Boost feature activation through pedal.
Display in 45°.

WTB BRAZIL MAKE FILTER WARMER

The WTB Filter Warmer is used in procedures for the recovery or collection of oocytes and embryos. Practical and easy to use, the equipment has an electronic sensor that maintains the temperature during the work, with tolerance of variation of $\pm 0.5^{\circ}\text{C}$. These features provide rapid and thermal safety during procedures.



WTB BRAZIL MAKE OOCYTE MINI FILTER

Oocyte Mini Filter (25458)
Mini Filters for Oocytes.
Unitary packaging.
For 50mL pipes.
100 micron nylon screen.
Sterilized.
Disposable.



WTB BRAZIL MAKE OOCYTE AND EMBRYO TRANSPORTER

Sophisticated electronic heating system coupled with high accuracy sensors.
Oocyte Capacity: 84 1.2 mL microtubes.
Capacity Embryos: 366 Straws 0.25 and 6 cavities to heat the tips of the applicators
Temperature range: 34 to 39°C.
Settings and temperature check via "bluetooth"- Android.
Audible and visual thermal swing alarm. Datalog (24hs).
99Wh battery, rechargeable and removable. Battery life: 36 hours. (Test conditions with room temperature of 25°C and block temperature at 35.5°C). Total Weight: 5.2 kg
Accompany 1 or 2 blocks (optional).





WTA BRAZIL MAKE POCKET TUBE HEATER (BATTERY)

Conical 50mL tubes.
Digital temperature control.
Lightweight and wireless.

WTA BRAZIL MAKE 18G/20G FOLLICULAR ASPIRATION NEEDLES

18G/20g Follicular Aspiration Needles
Short bevel needles reduce ovary necrosis points.
Improved oocyte recovery.
Gamma irradiated.



WTA BRAZIL MAKE OPU ALUMINUM STOPPER

Designed to fit several brands of 50ml collection tubes.
Comes with sealing O-rings.
Fast and hygienic tubing replacement.
Autoclavable.

WTA BRAZIL MAKE OPU SYSTEM (PLASTIC STOPPER)

OPU System (Plastic Stopper) (10056)
Tube with low internal friction coefficient.
Avoid oocytes denudation.
Non-toxic silicone stopper and cannula.
Length tubing: 1.20m



WTA BRAZIL MAKE ET GUN - 0.25/0.50ML (17274)

For bovine and equine embryo transfer.
Fast automatic sheath locking.
Easy to use, disassemble for cleaning.
Aluminum or plastic.
Six colors in plastic.
*0,5 sheath destined to equines.

CULTURE MEDIA



IVC

- For the in vitro culture of zygote (day 1) to blastocyst (day 7)
- Prepare the dishes with 100 μ l or 500 μ l of IVC medium and cover with oil (overnight)
- INJECT GAS for 5 - 10" in the stock bottle before returning it to the refrigerator Volume of Bottles: 25 ml or 50 ml

SPERM

- Percoll dilution medium
- It can be used to wash semen in a gentler centrifugation
- Volume of Bottles: 10 ml or 25 ml

PERCOLL

- Used to prepare the gradient for conventional semen
- Volume of Bottles: 10 ml or 25 ml

PERCOLL SEX

- Used to prepare the gradient for sexed semen
- Volume of Bottles: 10 ml or 25 ml

ET-HEPES

- Buffered medium, with HEPES, to transportation the embryos for up to 12 hours outside the incubator
- Only warm up to 36° C (does not need to add gas)
- To load one embryo in straw, you need around 280 μ l of medium (for 50 embryos around 15 ml of medium)
- Embryo transport temperature is between 36°C - 37°C.
- Volume of Bottles: 25 ml or 50 ml

MINERAL OIL

- Sterile oil for overlaying at all stages of in vitro embryo
- Volume of Bottles: 50 ml

WASH

- For the handling and washing of oocytes and embryos
- Hepes-bufferes
- All species range
- Warm to 36°C for 15 minutes before use
- Used for selection and washing of oocytes
- Volume of Bottles: 25 ml or 50 ml

IVM

- For the in vitro maturation of oocytes
- For cattle, goats, sheep
- Prepare the vials with 400 μ l of IVM medium and cover with 250 μ l of oil, inject gas, seal and keep refrigerated
- The vials can be shipped up to 3 days before OPU
- INJECT GAS for 5 - 10" in the stock bottle before returning it to the refrigerator Volume of Bottles: 25 ml or 50 ml

IVF

- For the in vitro fertilization of matures oocytes
- Add the H and PHE aliquots and mix
- Prepare the dishes with 70 μ l of IVF medium and cover with oil (overnight)
- INJECT GAS for 5 - 10" in the stock bottle before returning it to the refrigerator Volume of Bottles: 25 ml or 50 ml

H / PHE

- Supplement to add to the IVF medium
- Add 110 μ l of H and 440 μ l PHE into 9,450 μ l to IVF medium
- Volume of Bottles: 2 ml

MINERAL OIL

- Sterile oil for overlaying at all stages of in vitro embryo
- Volume of Bottles: 50 ml

MEDIA FOR CRYOPRESERVATION

VITRIFICATION

- The kit consists of 10 ml of each medium, V1 and V2.
- Fraction it into eppendorfs in a volume that you use per day.
- For vitrification of embryos produced in vivo and in vitro.
- In the medium V1, 8 minutes and in the medium V2, 45 sec.
- Keep at temperatures of 25°C.
- Volume of Bottles: 10 ml

DEVITRIFICATION

- 3-Step Medium Kit - D1, D2 and D3
- To thaw vitrified embryos
- Helps reduce physical damage and better control extracellular fluid osmotic pressure
- Divide it into eppendorfs a volume that you use per day.
- D1 medium - 45 seconds to 1 minute, Temperature 37-38°C
- D2 medium - 3 minutes.
- Temperature 25°C D3 medium, 5 minutes.
- Temperature 25°C
- Volume of Bottles: 10 ml

DT FREEZING

- 3-Step Medium Kit - HOLDING, HDT and EG
- For freezing embryos produced in vivo and in vitro.
- In the holding medium there is no time counting
- HDT medium - 45 sec to 1 minute - room temperature
- EG medium 10 minutes - room temperature.
- Volume of Bottles: 10 ml
- EMBRYO THAWING: straw in the air per 7 seconds and in the water for 30 seconds - temperature 31°C
- Volume of Bottles: 10 ml

CHUTE FOR ANIMAL HANDLING



VALUES THAT WE FOLLOW:

- All controls centrally located
- One man operating chute
- Easy Adjustments for different size livestock
- Front and side exits
- Vertical drop bars and side panels
- Right or left hand controls
- Portable or stationary
- Head Gate - Automatic or Manual
- Wood or Steel Floor
- Wood or Steel Sides
- Weight 940 lbs
- Width 45 inches
- Height 65 inches
- Length 70 inches

Contact Us



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