



# YOUR GUIDE TO THE SAFE

## **Veterinary Equipment Full Solutions Catalogue**

[www.beamedtrading.com](http://www.beamedtrading.com)



## **Beamed Trading**

is a Middle East based dedicated provider of products and services to the Laboratory, Physiotherapy, Environmental, Medical, Analytical & Healthcare divisions, and Veterinary both in the private and public sectors. We take care of small points to the limits in all our services.

Our product line starts by supplying our customers with their requirements & continues to satisfy them with the best follow up & after sales services.



## **Veterinary Division**

is committed to provide the Arabian Veterinary industry with quality products and services. Through our relationship with manufacturers and our dedication to sourcing globally recognised leading brands, Beamed Trading continues to supply the latest instruments and equipment at competitive prices.





# Content

Page

X-Ray Systems ..... 5

Ultrasound Systems ..... 23

Laboratory ..... 29

General Equipment ..... 53

Diagnostics ..... 65

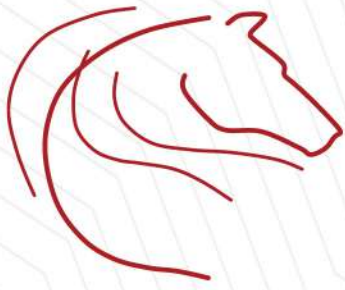
ET & AI ..... 71





# X-RAY SYSTEMS





**Asto CT**  
*Equine Standing CT*

# THE NEW **STANDARD** OF CARE IN EQUINE IMAGING





Equina™ by Asto CT™ is a multi-slice helical CT that allows simultaneous imaging of two limbs of a standing, sedated equine patient. Without the need for general anesthesia, scanning is safe, simple and standing.

Equina™ by Asto CT™ is made by veterinary doctors for veterinary equine practice. Our mission is to improve diagnosis and treatment of conditions of the distal limb and diseases of the head and neck in equine patients by providing imaging tools that are flexible, rugged and diagnostic.



### Safe

Equina offers very low radiation leakage and dose levels to allow handlers and operators to stay with the equine patient for greater safety.

### Simple

Equina is accessed at ground level, allowing for rapid setup and scanning. Simply lead the horse to the target ring, position, and scan. Patients are in and out in 10 minutes.

### Standing

Equina images bone and soft tissue of limb pairs up to carpus or tarsus of standing equine patients, making it ideal for detecting pathology under normal, weightbearing conditions.

### Flexible

Equina's 75cm bore and an accompanying 75cm field of view makes it easy to image all sizes of horses, from ponies to draft horses. With a pivoting robotic gantry, Equina is flexible to allow head and neck imaging.

### Rugged

Equina is rugged enough to withstand a 1000kg strike force or allow image guided surgery, making it uniquely designed for the rigors of veterinary equine practice.

### Diagnostic

Equina uses 24 detector rows at fast 1 second rotation for volumetric imaging of 36 slices per second. With wide continuous vertical and horizontal scan fields, Equina offers high quality, diagnostic imaging with no scout views.



## Asto CT Equina Specifications

|                                           |                |                                                                      |
|-------------------------------------------|----------------|----------------------------------------------------------------------|
| Width (base) Length (base)                | 239 cm (94 in) | 254 cm (100 in)                                                      |
| Height (uprights)                         |                | 371 cm (146 in)                                                      |
| Gantry pitch range                        |                | 0 to 90                                                              |
| Total vertical motion range               |                | 228 cm (90 in)                                                       |
| Continuous scan field (limb & head scans) |                | 100 cm (40 in)                                                       |
| Max strike force to gantry/pedestal       |                | 1,364 kg (3000lbs) - optimized to withstand impact of startled horse |
| Electrical Service                        |                | 208-240 V Single Phase 30 A                                          |
| <b>CT Gantry</b>                          |                |                                                                      |
| Gantry opening (bore diameter)            |                | 75 cm (30 in)                                                        |
| Nominal field of view (FOV)               |                | 75 cm (30 in) - everything within gantry opening is scanned          |
| Scan time for a full 360 rotation         |                | 1 sec                                                                |
| Number of detector rows                   |                | 24                                                                   |
| Helical pitch                             |                | Variable (typical 0.55)                                              |
| Helical scan velocity                     |                | Variable (typical 2 cm/sec)                                          |
| Slice acquisition rate                    |                | 36 slices/sec                                                        |
| <b>Free-standing Platform Optional</b>    |                |                                                                      |
| Surface                                   |                | Non-slip, shock-absorbing, washable                                  |
| Ramp                                      |                | Detachable, 15 degrees                                               |
| Stairs                                    |                | Detachable                                                           |





### Scanning is Simple

- » Lead horse to ring & sedate
- » Push button control
- » 30-sec image acquisition

### Scanning is Safe

- » No anesthesia
- » No complex positioning
- » Rugged construction

### Diagnostic Quality

- » Multi-slice helical CT
- » 24-row detector
- » v 3D image reconstruction



## Scanning is Flexible

- » Limbs to carpus/tarsus
- » Images two limbs at a time
- » Neck imaging toward C-6/C-7
- » Large or small animal under anesthesia on a surgical bed



Patient is a 23-year-old American Quarter Horse 900 lbs 35-in ground to sternum.

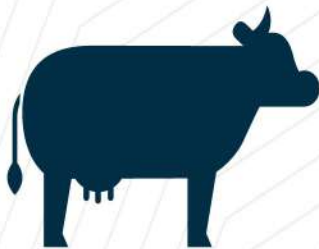


# ECOVIEW

**PORTABLE X-RAY UNITS  
DURABLE & ADVANCED TECHNOLOGY**



# Powerful & Stable output with unique features for user conveniences



# PORTABLE GENERATOR

## PORTABLE X-RAY UNIT SERIES



ORANGE 9020HF

### Better choice for your Equine Examinations

- » Efficient power with quality (90kV/20mA output)
- » Solid body with light weight.
- » On e-hand collimator Control.
- » Durable design with reliable radiation output.

### The Best Seller in the line for Small-to-Large animal exams wide range of application

High Powered X-ray Generator with advanced features

- » Compact, Outstanding high-quality imaging
- » Powerful X-ray output (100KV/40mA, 100KV/60mA)
- » Ergonomic and soft OP panel layout
- » Right selection for small animal and equine stifle joint radiography
- » Easy angle measuring goniometer, Convenient handling



ORANGE 1040HF ORANGE 1060HF  
ULTRA 100

### High Powered X-ray Generator with advanced features

- » Most powerful X-ray output (5kW, 110kV/100mA)
- » Auto measuring SID by Ultrasonic Sensor
- » Easy access to DR solution
- » Angle measuring by goniometer
- » Embossed tactile OP panel membrane.
- » Durable metal connector of hand-switch



ULTRA 100

Applicable Table  
Good for a small  
size X-ray room in  
veterinary clinics.



## Specification

| Type           |                  | Rechargeable Battery Powered                      |             |                  |
|----------------|------------------|---------------------------------------------------|-------------|------------------|
| Model          |                  | 90BT                                              | 9020BT      | 1025BT           |
| Generator      |                  | High Frequency Inverter                           |             |                  |
| HF             | Max.             | 1.35kW                                            |             | 1.6kW            |
| Generator      | Output Power     | 90kV 15mA                                         |             | 100kV 16mA       |
|                | Max.             | 90kV 20mA                                         |             | 100kV 25mA       |
|                | kV mA            |                                                   |             |                  |
| X-ray Tube     | Focal Spot       | 1.2 X 1.2mm                                       | 0.8 X 0.8mm | 1.2 X 1.2mm      |
| Input Power    |                  | 100 240VAC, 50 60Hz for Battery charging power    |             |                  |
| Collimator     | X-ray            | Max. 27cm X 27cm                                  |             | Max. 35cm X 35cm |
|                | Field Size       | 66cm SID                                          |             | 66cm SID         |
|                | Lamp             | LED Lamp                                          |             |                  |
|                | Dual Laser       | 66cm, Class 2                                     |             |                  |
| User Interface | Display          | kV, mAs, Ready, X-ray, Wait and Error LED display |             |                  |
|                | Operation Switch | 1. kV & mAs Up Down                               |             |                  |
|                |                  | 2. Built in dual Laser & Collimator Lamp ON OFF   |             |                  |
|                |                  | 3. Reversible Display                             |             |                  |
|                |                  | 4. APR Memory Storage                             |             |                  |
| APR            |                  | 7 Memory standard<br>and extendable 12 Memory     |             |                  |
| WeightWeight   |                  | 8.5kgs                                            | 9.8kgs      | 11.4kgs          |
| Dimension mm   |                  | 280 140 186                                       | 285 152 185 | 334 164 192      |
| Advantage      |                  | Cordless & Hybrid Function                        |             |                  |



# PORTABLE GENERATOR

## PORTABLE X-RAY UNIT SERIES



**Battery-powered Portable X-ray**  
**Wherever, Whenever you need it**



BATTERY PACK / CHARGER

- » Built-in rechargeable Lithium-ion battery
- » 2.5 hours to charge for over 1,400 images
- » Battery charging status indication
- » High-tech wireless connectivity to DR system
- » Robust design to meet the needs of anywhere use

**ULTRA 90BT, ULTRA 9020BT, ULTRA 1025BT**

### Specification

| Type           |                  | AC Line Powered                                   |                  |                       |                               |
|----------------|------------------|---------------------------------------------------|------------------|-----------------------|-------------------------------|
| Model          |                  | 9020HF                                            | 1040HF           | 1060HF                | ULTRA 100                     |
| Generator      |                  | High Frequency Inverter                           |                  |                       |                               |
| HF             | Max.             | 1.35kw                                            | 2.4kw            | 3.2kw                 | 5kw                           |
| Generator      | Output Power     | 90kV 15mA                                         | 80kV 30mA        | 80kV 40mA             | 100kV 50mA                    |
|                | Max.             | 90kV 20mA                                         | 100kV 40mA       | 100kV 60mA            | 110kV 100mA                   |
|                | kV mA            |                                                   |                  |                       |                               |
| X-ray Tube     | Focal Spot       | 1.2 X 1.2mm                                       |                  | 2.0 X 2.0mm           | 1.8 X 1.8mm                   |
| Input Power    |                  | 110 120VAC, 60Hz                                  |                  | 220 240VAC, 50Hz Only |                               |
|                |                  | 220 240VAC, 50Hz                                  |                  |                       |                               |
| Collimator     | X-ray            | Max. 27cm X 27cm                                  | Max. 35cm X 35cm |                       | Max. 40cm X 40cm              |
|                | Field Size       | 66cm SID                                          | 66cm SID         |                       | 100cm SID                     |
|                | Lamp             | 12V 50W, Halogen Lamp                             |                  |                       | LED Lamp                      |
|                | Dual Laser       | 66cm, Class 2                                     |                  |                       | 100cm, Class 1                |
| User Interface | Display          | kV, mAs, Ready, X-ray, Wait and Error LED display |                  |                       |                               |
|                | Operation Switch | 1. kV & mAs Up Down                               |                  |                       |                               |
|                |                  | 2. Built in dual Laser & Collimator Lamp ON OFF   |                  |                       |                               |
|                |                  | 3. Reversible Display                             |                  |                       |                               |
|                |                  | 4. APR Memory Storage                             |                  |                       |                               |
| APR            |                  | 8 Memory standard                                 |                  |                       | 128 APR                       |
|                |                  | and extendable 16 Memory                          |                  |                       |                               |
| WeightWeight   |                  | 7kgs                                              | 12.5kgs          | 13.5kgs               | 18.5kgs                       |
| Dimension mm   |                  | 275 150 140                                       | 344 191 188      | 344 210 191           | 396 295 204                   |
| Advantage      |                  | Light weight                                      | Wide Use         | Popular               | Auto SID by Ultrasonic sensor |

# mini90

## Portable DR System with TB Detection



- 90kV / 10mA generator
- Battery Operated & AC Powered (Hybrid)
- Just 4.0kg
- Over 150 exposures after a full charge
- Smaller focal spot 0.8mm
- Bright LCD Touch Screen
- 14" x 17" Wireless FPD
- Acquisition software "Ecoview"
- AI software with TB Detection

### Technical Specifications

|                   |                                       |                                     |
|-------------------|---------------------------------------|-------------------------------------|
| X-ray Generator   | Power Output                          | 800W (10mA@80kV)                    |
|                   | kV Range                              | 40 - 90 kV(1kV step)                |
|                   | mA Range                              | 6 – 10 mA                           |
|                   | mAs Range                             | 0.32 – 20 mAs                       |
| Collimator        | SID                                   | SID 100cm/44cmx44cm                 |
|                   | Lamp                                  | LED Lamp/3.25VDC/10W                |
| X-ray Tube        | Type                                  | Stationary                          |
|                   | Focal Spot                            | 0.8 mm                              |
|                   | Target Angle                          | 16 degrees                          |
|                   | Anode Heat Storage Capacity           | 8000 J                              |
|                   | Max. Anode Cooling Rate               | 110 W                               |
|                   | Nominal Anode Input Power at 01s (DC) | 1280 W                              |
|                   | Inherent Filtration                   | 0.5 mm Al                           |
| Power Requirement | Li-polymer Battery                    | 22.2VDC, 2,200mAh                   |
|                   | Number of Exposures                   | About 150 times (70 kV, 5mAs)       |
|                   | AC Power Adapter                      | AC 100-240V, 50/60Hz (25.2V / 1.5A) |
|                   | Charging Time of Battery              | About 1.0 – 1.5 hour                |
| Weight            | Main Body                             | Just 4.0 kg                         |
| Dimension         | Main Body                             | 337.4 x 254.8 x 168.9mm             |



14"x17" size wireless FPD



Acquisition SW "ECOVIEW"



AI software with TB Detection



Veterinary  
Division



BEAMED  
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# HF-525 Plus VET

## Ultimate Solution for Veterinary X-Ray!

### OP CONSOLE

User friendly interface Anatomical programmed console APR288 Three point technique [kV, mA, mAs/msec] Exposure time range 0.001-6.0 seconds (81 setps)



### 4-WAY TABLE

Light 4-way movement for easy positioning and efficient workflow. The robust and heavy-duty structure. Foot-controlled electromagnetic locks to flexibly adjust movement. Various cassette size capabilities (5"X7" to 17"X17") with moving grid.

# DR Solution

## 17"x17" size Wired Type



- Technology : TFT with photodiode
- Scintillator Type : CsI or GOS
- Pixel Pitch : 140μm
- Active Area : 430.08 x 430.08(mm)
- A/D Conversion : 16bit
- Spatial Resolution : Min. 3.5lp/mm
- Image Acquisition Time : < 2sec (Wired)
- Image Cycle Time : 15sec
- X-ray Synch Control : AED or Trigger (with I/O box)
- Dimension : 460 x 460 x 15.5(mm)
- Weight : 4.5 kg

## Technical Specifications

| Category            | Specification                               |
|---------------------|---------------------------------------------|
| Power               | Max. 32kW (40, 50kW available as optional)  |
| Frequency           | Max. 40kHz                                  |
| kV range            | 40~125kV (1kV step)                         |
| mA range            | 40~400mA                                    |
| mAs range           | 0.1~400mAs                                  |
| Exposure Time Range | 0.001~6 seconds                             |
| APR                 | 128 APR                                     |
| Line Voltage        | 220VAC 50/60Hz, Single Phase                |
| Focal Spot          | 1.0/2.0mm (0.6/1.2mm available as optional) |
| Target Angle        | 16°                                         |
| Anode Heat Storage  | 140KHU (300KHU available as optional)       |
| Collimator Type     | Manual                                      |
| Collimator Lamp     | LED (280-160 Lux at SID 100cm)              |
| SID                 | Fixed 1,000mm                               |
| Table Type          | 4way Floating Top                           |
| Table Top Size      | 845mm x 1552mm x 900mm (H)                  |
| Longitudinal travel | 250mm                                       |
| Transverse travel   | 250mm                                       |





# RC Imaging

your radiology resource

## Panel Protection



Using an expensive DR Flat Panel Protector in a mobile environment can be extremely risky. You can easily reduce the burden by protecting your investment with our Lock-N-Secure® and our NEW innovative Lock-N-Secure® II DR Flat Panel Protectors containing multiple layers to absorb impact and increase weight capacity. Our DR Flat Panel Protectors are designed for all wireless and cassette sized panels. Lifetime Warranty, Excludes Grid.



Positive Lock



Custom Utility Ports

### Lock-N-Secure & Lock-N-Secure II Features

- » Custom utility ports
- » Patented positive lock to prevent panel pop outs
- » Lightweight
- » Easy one hand operation
- » Available with a grid or carbon fiber panel for weight distribution
- » Multiple handle orientations Long, Short, and Dual
- » Various sizes available
- » Multiple layers of impact protection
- » Patient friendly edges
- » For cassette-sized wireless or tethered panels
- » Small universal fit profile



# aktif x-ray

**X-RAY DOES NOT JOKE!**



Aprons



Eyewear



Positioners



Shields



Gloves



Accessories



Table Pads



Cleaning



Veterinary  
Division



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# SonoScape

## E1V

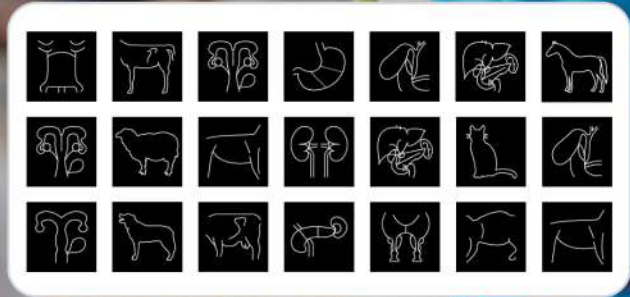
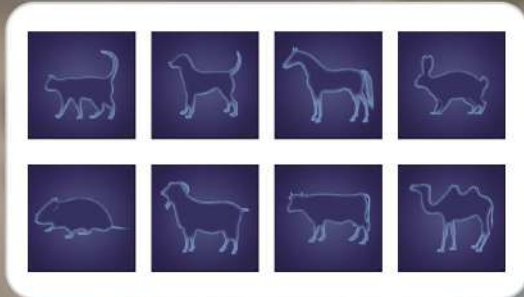
B/W Veterinary  
Diagnostic Ultrasound System



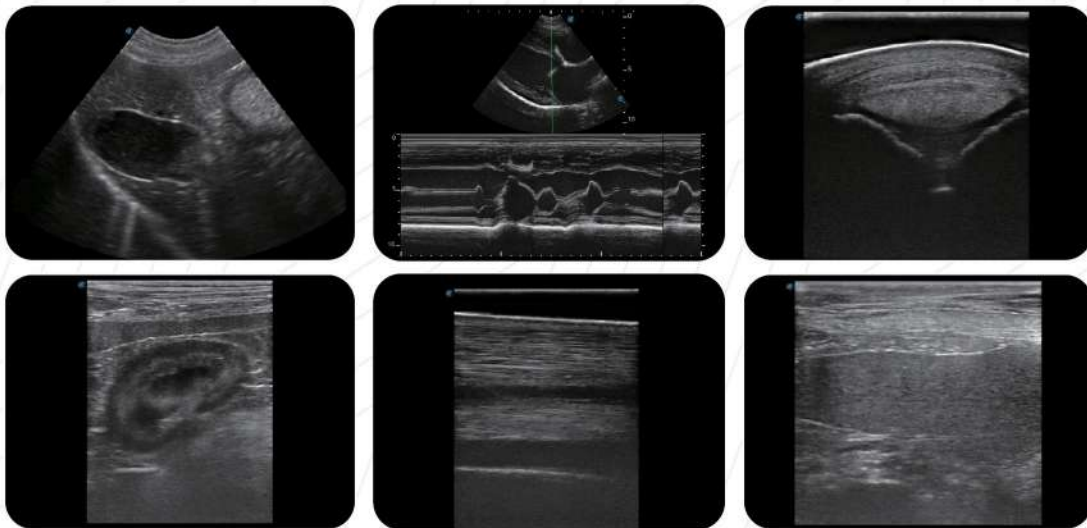
The E1V portable ultrasound diagnostic system is a new generation black and white product from SonoScape. Packed with professional veterinary software and measurement packages catering to a wide variety of animals ranging from small house pets to large livestock animals allows the E1V to accomplish all of your needs. Its stunning image quality and efficient workflow improves the examination experience and enhances the user's confidence when scanning.

Incorporating veterinary applications found in high end ultrasound machines, the E1V is able to cover many diagnostic imaging needs in one system with high-quality detailed image.

- Professional veterinary measurements and calculations
- Full library of body marks and annotations
- Veterinary information management and reporting
- User-definable graphic exam modes are applicable for different types of animals
- Variety of accessories to fit your needs in any situations



## Capable B/W Ultrasound for Animal Care



### Excellent Image Quality

- Dynamic multi-beam imaging
- Spatial compound imaging
- Pure inversion harmonic imaging
- Tissue specific imaging
- Wide-scan Imaging for linear transducers
- PW with Auto Trace

### User Friendly Designs

- 15.6 inch high definition monitor
- Noiseless system
- Quick boot up
- Auto brightness for screen and control panel
- Water resistant keyboard cover

# SonoScape

## E2V

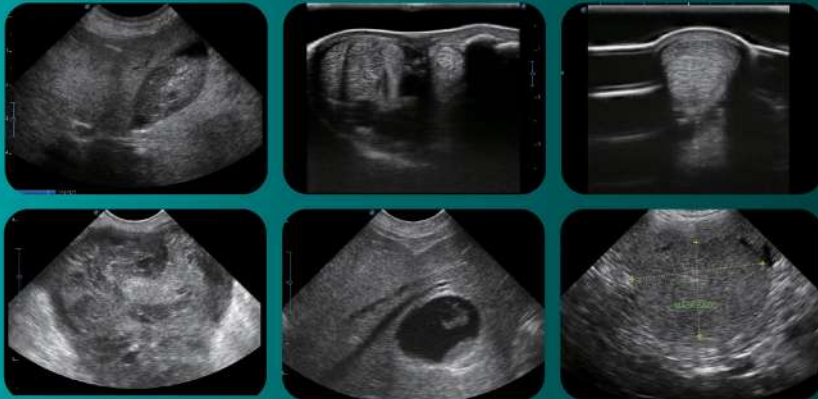
Color Doppler Veterinary  
Diagnostic Ultrasound System



A combination of exceptional image quality and convenient workflow, E2V makes scanning easy for every veterinarian. Thanks to its comprehensive features and technologies, this compact model caters to every type of exam. Specialty presets and exam modes help to provide care for all types of animals, to let you work with confidence under any condition.

More than just extraordinary imaging, E2V with automated functions and comprehensive presets bring satisfying working experience to your daily routine.

- Automated parameter adjustment with one click
- Automatic calculation improves working efficiency significantly
- Considerate patient database management for both owners and pets
- General imaging presets and versatile exam modes cover a full range of veterinary applications
- Post-process and post-management of patient images and information bring confidence for examinations
- Prospective and retrospective storage optimize scanning results for active animals



## Limited Size, Unlimited Features



### Dynamic Multi-Beam Imaging

Provides excellent images without sacrificing temporal resolution



### Spatial Compound Imaging

Optimizes images of different angles



### Widescan for both linear and convex probes

Presents a wider view of the image with one click



### Real-Time Panoramic Image

Locates lesions or interested areas more easily



### Vis-Needle Technology

Shows needle tips for biopsy efficiency improvement



### Continuous Wave Doppler

Offers more information for heart function evaluation



## Comfort Lies in Design



15.6-inch HD monitor



Inclinable monitor and intuitive panel



Water-proof protective film



Quick boot-up time



Quiet system



# SonoScape

## S9V



## Care for Companion Animals

As our best friends and confidants, companion animals help to make our family feel complete. But caring for companion animals isn't as simple as just filling their food bowls and taking them to a spacious place with a beautiful lawn to play in. Caring for these animals also includes caring for their health. Combining smooth workflow interaction and comprehensive measurement packages with SonoScape's latest imaging technologies, S9V delivers to human guardians the ability to care for their companion animals.

### Workflow interaction

- Different animal categories for easy pre-exam mode selection
- Comprehensive and graphic body mark and annotations
- DICOM capability enabling data connection with the Internet

### Measurement package

- Professional veterinary obstetric and cardiology measurement package
- User-definable measurement packages function





## Imaging technologies

- Pulse Inversion Harmonic Imaging
- $\mu$ -scan speckle reduction technology
- Compound Imaging Technology
- Real-time Panoramic Imaging
- Tissue Doppler Imaging
- Anatomic M Mode
- C-xlasto Compression Elastography



## Ergonomic design

- 50° foldable LED display
- Completely sealed and anti-dust smart touch screen
- Stylish trolley with height adjustment function
- Sturdy suitcase
- Built-in Li-ion battery for two hours of continuous scanning
- Two transducer sockets





# Veterinary Laboratory



Quality, Service and Expertise  
for You, Your Veterinary Practice  
And Veterinary Laboratory  
Underpinned by More Than 20  
Years Real-World Experience.  
Bemaed Trading Vet Division  
exists solely to serve veterinary  
practices and laboratories with  
quality equipment, affordable  
consumables and reliable  
diagnostic test kits.

With an unparalleled reputation  
for service, Bemaed Trading  
is leading independent  
veterinary supply business  
serving diagnostic, teaching  
and research laboratories in  
associated disciplines as well as  
schools, colleges, universities  
and commercial facilities.



# CLINICAL CHEMISTRY ANALYZER



## WORKLIST

- real-time display of sample status
- up to 7 configurable test panels
- automatic inventory of reagents and cuvettes prior to run
- pause feature for "on the fly" editing
- automatic search of pending samples
- convenient re-run of tests that require diluting
- LIS connectivity



## RESULTS

- touch sample position on display for detailed patient results
- easy access to current and past results in multiple print and viewing formats
- on-board patient result search and sorting capability
- Levey Jennings QC charts



## STATUS

- on-screen display of tables and graphics gives status of reagents, Cals and QC at a glance
- detailed automatic warnings



## SETUP, DIAGNOSTICS and MAINTENANCE

- flexible setup of test panels, units, normal and rerun ranges
- patient demographics input and storage
- calibration and QC parameters downloaded automatically from CD or entered manually
- on-screen graphics guide user through maintenance and diagnostic steps
- maintenance logs enhance record keeping

## EasyRa Specification

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| system specifications  | true random access, clinical chemistry analyzer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| throughput             | 300 tests/hr*, 240 ISE test/hr (4 ions)*. Patient results per hour: Photometric up to 240 tests/hr. Patient results per hour: Photometric with ISE up to 480 tests/hr ; STAT time: 8 minutes (Na+/K+/Cl-/CO2/BUN/CREA)                                                                                                                                                                                                                                                                                                                 |
| types of analysis      | endpoint, enzymatic, rate, bichromatic, potentiometric, enzyme immunoassay (EIA), turbidometric immunoassay (TIA)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| samples                | 24 sample positions per sample ring for patient, calibrator, or QC samples; STAT: up to 5 user-defined positions; optional second sample ring uniquely identified by analyzer; automatic dilution: 1:2, 1:3, 1:5 and 1:10 final dilution                                                                                                                                                                                                                                                                                               |
| sample volume          | photometric chemistries: 2.0–25.0 µL; programmed in 0.1 µL steps; ISE chemistries: serum: 80–90 µL; urine: 140 µL                                                                                                                                                                                                                                                                                                                                                                                                                      |
| sample containers      | sample cups or primary tubes in a wide range of sizes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| sample identification  | position ID, barcode ID (optional), barcode types: codabar, code 39, 128, interleaved 2 of 5                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| reagents               | 24 positions for reagents; reagent cooling temperature 12°–15° C less than ambient; reagent identification: RFID (radio frequency identification) technology—automatic tracking and entry of reagent information (chemistry name, lot number, expiration date; reagent volumes; analysis volumes for reagents, samples, diluent; primary and secondary wavelengths; reaction read times; analysis type; reagent and sample blanking; linear range of assay; acceptable absorbance ranges). Reagents are ready to use, 6 open channels. |
| reagent volumes        | reagent volume (R1)/test 120–350 µL; programmed in 1 µL steps. reagent volume (R2)/test 10–50 µL; programmed in 1 µL steps                                                                                                                                                                                                                                                                                                                                                                                                             |
| water supply           | reagent grade deionized water, diluent bottle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| sampling system        | probe pre-heater; single probe with RF level sensing; inner and outer probe washing                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| cuvette material       | optical acrylic; disposable segments; 12 cuvettes per segment; 6 total segments in reaction area                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| reaction time          | 1–15 minutes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| reaction temperature   | 37° ± 0.25° C (photometric chemistries)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| wavelength             | 340, 405, 520, 550, 600, 660, 700; half bandwidth 10 ± 2 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| light source           | xenon flash lamp, 5 year typical life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| photometric linearity  | 0.0–2.5 Abs units for 0.6 cm pathlength (1% deviation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| photometric resolution | 0.0001 Abs units at 1.0 Abs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| quality control        | 2 levels of controls (Levey-Jennings plots for two levels)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| calibration curves     | single and multilevel calibration (based on analyte)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| user interface         | edit and monitor worklists; review results; review calibration and quality control results; Levey-Jennings charts for 31 days of QC results; on-board diagnostics and individual component monitoring; graphic instructions for daily, weekly and monthly maintenance procedures                                                                                                                                                                                                                                                       |
| data storage           | 2000 patient results; 56,000 test results, ability to archive and retrieve results                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| power requirements     | 100 VAC–240 VAC ± 10% 50–60 Hz, 4.0/2.0A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| size and weight        | 40" w x 15" h x 26" d (102 cm x 38 cm x 66 cm), 88 lbs (40 kgs) without reagents                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ambient conditions     | 15°–30° C (59°–86° F); <85% relative humidity, non-condensing atmospheric air environment                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| computer requirements  | minimum: Windows® 10**, CD/CD-RW; 1 RS-232 or USB port; touch screen monitor or SVGA color monitor, mouse and keyboard                                                                                                                                                                                                                                                                                                                                                                                                                 |
| printing               | local or network printer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| optional feature       | ISE Module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

\* Based on a 12-second cycle time. Actual tests per hour may vary.

\*\* Windows is a registered trademark of Microsoft Corporation.



## Application Scenarios

- Pet hospitals
- Veterinary hospitals
- Research institutes
- Teaching laboratories



# DYMIND

## Multi-species

Dog, cat, rabbit, cow, horse, sheep, rat, mice, guinea pig, pig, monkey, gerbil, hamster, chinchilla, ferret, hedgehog, camel, etc.

### Principles

Electrical Impedance method for determining the RBC and PLT data  
Colorimetric method for determining the HGB  
Laser-based flow cytometry for determining the WBC data

### 23 Parameters

WBC Neu% Neu# Mon% Mon# Lym% Lym# Eos% Eos# Bas%  
Bas# RBC HGB HCT MC MCH MCHC RDW-CV RDW-SD PLT MPV  
PDW PCT

### Sample volume

≤20μL

### Sample type

Venous whole blood and pre-diluted whole blood

### Throughput

Up to 60 test per hour

### Storage capacity

Up to 50,000 records

### Languages

English, French, Russian, Spanish, Portuguese, Chinese

### Printout

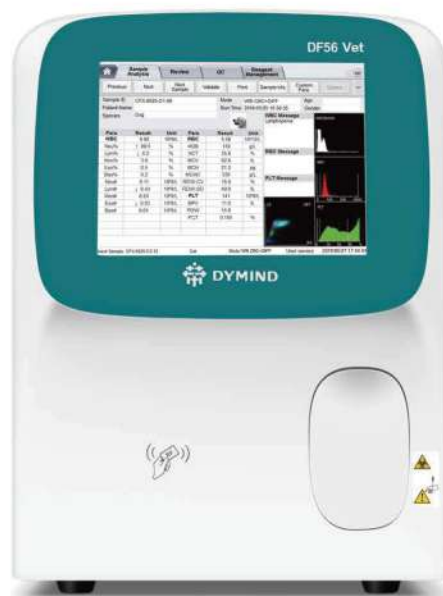
Built-in thermal printer, support external inkjets and laser printers

### Dimension

364mm(W)\*498mm(D)\*431mm(H)

### Display

10.4 inches touch screen



# DF56 Vet

5-Part Auto Hematology  
Analyzer for Vet



10 Reportable Species: Cat, dog, rabbit, cow, horse, sheep, mouse, rat, guinea pig, pig

7 Researchable Species: gerbil, hamsters, chinchilla, hedgehog, ferret, monkey, camel



Easy operation: 10.4 inches TFT touch screen



Saving space: small footprint, build-in reagent position

## WBC differentiation and Clinical significance



Lymphocytes percentage (LYM)



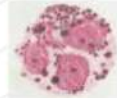
Monocytes number (MON)



Neutrophils number ((NEU)



Eosinophils number (EOS)



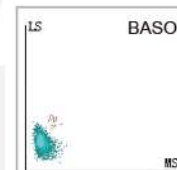
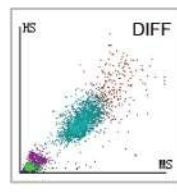
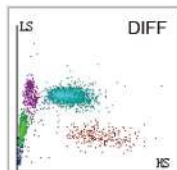
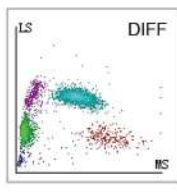
Basophils number (BASO)

Increased: Autoimmune disorder, certain medications

Decreased: Infection or inflammation, immune system disorder, bone marrow disease, reaction to medication

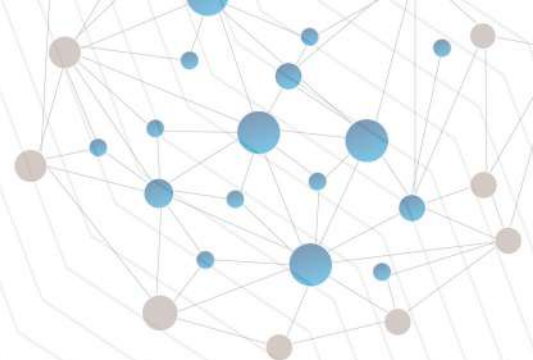
## Advantages of 5-Part Hematology Analyzer

- Graphical
- Quickly display cell morphology
- Each dot represents a cell, and cells are pooled into mass. The density is a quantitative index of the cell mass
- In case of an abnormal result, it can be clearly and quickly observed
- WBC classification results are unaffected by Heinz bodies and polychromatic RBC



5 DIFF can provide 4 scattergram, allowing doctors to intuitively understand the distribution of WBC and the direction of changes in the number of WBC, thereby help the doctor better diagnosis disease.





# MAGLUMI® X3

Fully-auto Chemiluminescence Immunoassay (CLIA) System



## Save Your Space without Compromise

Powerful Performance and Compact Design

Compatible with Small and Medium-sized Hospitals and Labs

# MAGLUMI® X3

## Features & Benefits

- Small but powerful, the throughput is up to 200 tests/hour, and throughput per unit area is 294 T/h/m<sup>2</sup>.
- Compatible with all **MAGLUMI®** reagents, one of the broadest automated CLIA test menus in the world (183 parameters).
- The latest intelligent washing technology and bidirectional temperature control measurement guarantee accurate and reliable results. The comprehensive advanced design of **MAGLUMI® X3** ensures excellent performance.
- Single reaction cup can avoid light pollution and increase cuvette utilization, its integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall.
- No-pause loading/unloading of reagents/samples/ reaction cups without waiting or interrupting tests.

## Functional Modules





## Reagent and Sample Loading

- 72 sample positions with barcode reader
- Sample in each position can be defined as STAT
- 20 reagent positions with RFID reader, 24h refrigerated at 10°C ( $\pm 3^{\circ}\text{C}$ )
- No-pause loading/unloading of reagents/samples/reaction cups without waiting or interrupting tests
- Reagent and sample indicator light available, real-time status monitoring, no need to check on the computer monitor



## Single Reaction Cup with Integrated Packaging

- Single reaction cup can avoid light pollution and increase the cuvette utilization
- Single reaction cup with integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall



## Intelligent UI Interface

- New user-friendly UI interface (Support multi-language)
- Real-time display for monitoring each test procedure, reagent, and consumable quantities, it's convenient for the management
- Intelligent error recovery



## Convenient Management of Analyzer Status

- Intuitive indicator light of reagent, sample, and consumables, no need to focus on the monitor, the status can be known by looking at the analyzer from a distance



## All Balanced and Strong

### Accurate Pipetting Technology

- Single needle coated with TEFLON to avoid carry-over
- Independent washing unit for the needle, with different washing modes depending on different assay
- Pipetting detection technologies include liquid level, clot, and crash detection can ensure accurate and normal pipetting



### Accurate Incubation Technology

- Single reaction cup with five-sided heating at 37.0°C ( $\pm 0.3^\circ\text{C}$ ), ensuring accurate, quick and uniform incubation
- Incubating 80 cuvettes simultaneously
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction



### High-Efficiency Washing Technology

- Magnetic separation washing with 4-step independent units and non-contact vortex mixing can reduce non-specific binding
- Different mixing modes depending on different assays, ensuring a sufficient washing to improve sensitivity



### Stable and Accurate Measuring Chamber

- ABEI-label exclusive proprietary technology
- PMT with heating and cooling function, ensuring the detection precision
- Independent measuring room, avoiding light cross-contamination



Veterinary  
Division

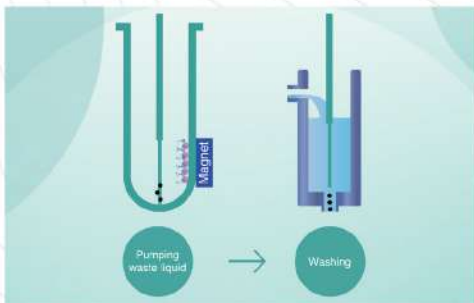


BEAMED  
TRADING



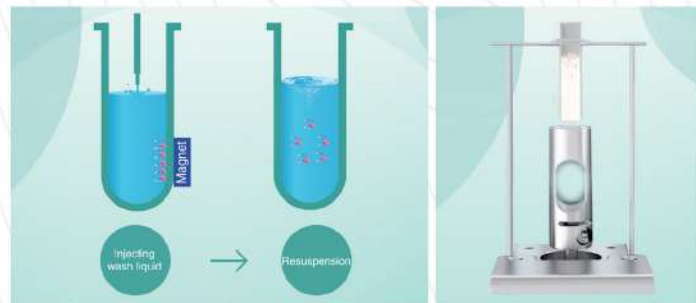
## Exclusive Intelligent Washing Technology

### Independent washing units for waste liquid needles



In the wash station, four waste liquid needles are equipped with four independent washing units to avoid the carry-over.

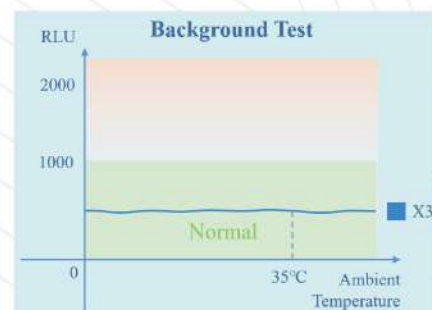
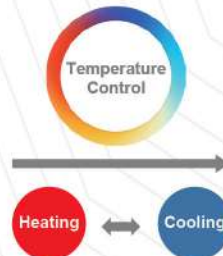
### Magnetic separation washing and non-contact vortex mixing



Magnetic separation washing and non-contact vortex mixing units, with different mixing modes depending on different assays, ensuring a sufficient washing to reduce the non-specific binding.

## Stable and Accurate Measuring Chamber

### Bidirectional temperature control technology of photomultiplier tube



Automatic temperature control in the measuring chamber can keep a stable background value, not affected by the ambient temperature, ensuring the accuracy of measurement results.



## Top 10 Highlights of MAGLUMI® X3

- 1 One of the highest space efficiency CLIA analyzers combines one of the broadest automated CLIA test menus.
- 2 The throughput is up to 200 tests/hour (Throughput per unit area is 294 T/h/m<sup>2</sup>). No worry about the lack of laboratory space.
- 3 **MAGLUMI®** reagent kits (183 parameters) and consumables are compatible with **MAGLUMI®** X3.
- 4 The comprehensive advanced design of **MAGLUMI®** X3 ensures excellent performance.
- 5 Single reaction cup can avoid light pollution and increase cuvette utilization, its integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall.
- 6 No-pause loading/unloading of reagents/samples/reaction cups without waiting or interrupting tests.
- 7 Pipetting detection technologies include liquid level, clot, and crash detection can ensure accurate and normal pipetting.
- 8 The latest intelligent washing technology and bidirectional temperature control measurement guarantee accurate and reliable results.
- 9 Intelligent UI interface, user-friendly, easy, and convenient operation.
- 10 Intuitive indicator light make users no need to check reagents and consumables frequently.

## MAGLUMI® X3 Reagent and Consumables



Reagent Kit



Reaction Cup



Starter 1+2



Light Check



Wash Concentrate



System Tubing Cleaning Solution



# Broad CLIA Test Menu with 183 Assays



## Thyroid

TSH (3rd Generation)  
T4  
T3  
FT4  
FT3  
Tg (Thyroglobulin)  
TGA (Anti-Tg)  
Anti-TPO  
TRAb  
TMA  
Rev T3  
T-Uptake

## Hepatic Fibrosis

HA  
PIIIP N-P  
C IV  
Laminin  
Cholyglycine  
\*GP73

## TORCH

Toxo IgG  
Toxo IgM  
Rubella IgG  
Rubella IgM  
CMV IgG  
CMV IgM  
HSV-1/2 IgG  
HSV-1/2 IgM  
HSV-1 IgG  
HSV-2 IgG  
\*HSV-1 IgM  
\*HSV-2 IgM

## EBV

EBV EA IgG  
EBV EA IgA  
EBV VCA IgG  
EBV VCA IgM  
EBV VCA IgA  
EBV NA IgG  
EBV NA IgA

## Inflammation Monitoring

CRP (High Sensitive)  
PCT (Procalcitonin)  
IL-6 (Interleukin 6)  
SAA (Serum Amyloid A)  
\*TNF-α

## Kidney Function

β<sub>2</sub>-MG  
Albumin  
\*NGAL

## Fertility

FSH  
LH  
HCG/β-HCG  
PRL (Prolactin)  
Estradiol  
Testosterone  
free Testosterone  
DHEA-S  
Progesterone  
free Estril  
17-OH Progesterone  
AMH  
SHBG  
Androstenedione  
PIGF  
sFlt-1

## Hypertension

Direct Renin  
Aldosterone  
Angiotensin I  
Angiotensin II  
Cortisol  
ACTH

## Autoimmune

Anti-CCP  
Anti-dsDNA IgG  
ANA Screen  
ENA Screen  
Anti-Sm IgG  
Anti-Rib-P IgG  
Anti-Scl-70 IgG  
Anti-Centromeres IgG  
Anti-Jo-1 IgG  
Anti-M2-3E IgG  
Anti-Histones IgG  
Anti-nRNP/Sm IgG  
Anti-SS-B IgG  
Anti-SS-A IgG  
TGA(Anti-Tg)  
Anti-TPO  
TRAb  
TMA  
ICA  
IAA(Anti Insulin)  
GAD 65  
Anti-IA2  
Anti-MPO  
\*ZnT8  
\*Anti-Cardioliipin IgG  
\*Anti-Cardioliipin IgM  
\*β2-Glycoprotein I IgG  
\*β2-Glycoprotein I IgM

## Immunoglobulin

IgM  
IgA  
IgE  
IgG

## Tumor Markers

AFP  
CEA  
Total PSA  
f-PSA  
CA 125  
CA 15-3  
CA 19-9  
PAP  
CA 50  
CYFRA 21-1  
CA 242  
CA 72-4  
NSE  
S-100  
SCCA  
TPA-snibe  
ProGRP  
HE4  
HER-2  
PIVKA-II

## Infectious Disease

HBsAg  
Anti-HBs  
HBeAg  
Anti-HBe  
Anti-HBc  
Anti-HCV  
Syphilis  
Anti-HAV  
HAV IgM  
HIV Ab/Ag Combi  
Chagas  
HTLV I+II  
H.pylori IgG  
H.pylori IgA  
H.pylori IgM  
2019-nCoV IgG  
2019-nCoV IgM  
SARS-CoV-2 S-RBD IgG  
SARS-CoV-2 Neutralizing Antibody  
SARS-CoV-2 Ag  
\*Anti-HBc IgM  
\*Chlamydia Pneumoniae IgG  
\*Chlamydia Pneumoniae IgM  
\*Mycoplasma Pneumoniae IgG  
\*Mycoplasma Pneumoniae IgM

## Glyco Metabolism

C-Peptide  
Insulin  
GAD 65  
Anti-IA2  
ICA  
IAA (Anti Insulin)  
Proinsulin  
\*Glucagon  
\*ZnT8

## Cardiac

CK-MB  
Troponin I  
Myoglobin  
hs-cTnI  
H-FABP  
NT-proBNP  
BNP  
D-Dimer  
Lp-PLA2  
MPO  
\*HCY

## Coagulation Marker

D-Dimer  
\*TAT  
\*TM  
\*PIC  
\*tPAIC

## Metabolism

Pepsinogen I  
Pepsinogen II  
Gastrin-17  
GH (hGH)  
IGF-I  
IGFBP-3

## Prenatal Screening

AFP(Prenatal Screening)  
Free β-HCG  
PAPP-A  
free Estril

## Anemia

Vitamin B12  
Ferritin  
Folate (FA)  
EPO  
RBC Folate

## Drug Monitoring

Digoxin  
CSA (Cyclosporine A)  
FK 506 (Tacrolimus)

## Bone Metabolism

Calcitonin  
Osteocalcin  
25-OH Vitamin D  
Intact PTH  
β-CrossLaps (β-CTX)  
total P1NP

\* Available soon

# Technical Specifications

## Chemiluminescence Principle

- Direct chemiluminescence
- Magnetic microbeads separation, fast and efficient
- Key technology of ABEI-label and magnetic microbead separating enhances stability and sensitivity of MAGLUMI® reagents

## Main Features

- Throughput: up to 200 tests/hour
- Space occupied < 0.68m<sup>2</sup>, throughput of per unit area > 294T/h/m<sup>2</sup>
- 24 hours ready to use

## Reagent Loading

- 20 reagent positions on board with no-pause loading/unloading
- 24-hour refrigerated, constant at 10°C (±3°C) in reagent area
- RFID reading all information of reagent
- Indicator light available, real-time status monitoring

## Sample Loading

- Up to 72 sample positions
- No-pause loading/unloading, STAT available
- Indicator light available, real-time status monitoring
- Barcode recognition: Barcode reader available
- Types of sample tube: micro sample cup, blood collection tube, plastic test tube
- Sample editing mode: LIS connection, barcode recognition, manual editing

## Reagent Features

- MAGLUMI® reagent kits are compatible with all MAGLUMI® analyzers
- Calibrators and internal controls included
- 10 points master curve, 2-points re-calibration
- RFID tag storing all informations of reagents
- Storage temperature 2°C-8°C

## Reaction System

- Single reaction cup with five-sided heating at 37.0°C (±0.3°C) incubation, ensuring accurate, quick and uniform incubation
- Incubating 80 cuvettes simultaneously
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction

## Sampling System

- Titanium needle for crushproof
- Teflon coated for carry-over prevention
- Liquid level detection, clot detection, prevent bubble interference, collision detection, wash automatically

## Consumable System

- Single cup design, no-pause loading/unloading
- Starters: 230mL of Starter 1 and Starter 2
- System liquid: Up to load 10L at one time
- Indicator light monitors real-time consumable quantity

## Washer

- 4-step washing technology
- Intelligent magnetic field design ensure excellent separation
- Three independent non-contact magnetic microbeads vortex cleaning technology
- Resuspension washing mode efficiently reduces non-specific binding and improves sensitivity
- Independent washing unit for waste liquid needle can completely wash without residue

## Measuring Chamber

- High-sensitivity and low-noise photomultiplier tube (PMT)
- Heating and cooling bidirectional temperature control function included
- Original light pollution isolation technology prevents light pollution and ensures accurate and reliable results

## Software System

- Friendly software UI design, humanized instrument operation procedure
- Real-time status display for each test procedure
- Self-recovery function make sure the analyzer running smoothly without unnecessary manual intervention
- Bidirectional Snibelis™ connection by TCP/IP and COM Port
- Supporting SnibelLinker™ remote diagnosis system

## Dimensions & Weight

- Dimensions: 78 (h) × 90 (w) × 75 (d) cm
- Weight: 127 kg

MAGLUMI®, Snibelis™ and SnibelLinker™ are trademarks of Snibe.  
All other product names and trademarks are the property of their respective owners.





## Automated ELISA Processing System



### Fits Anywhere in the Lab

DYNEX DS2 Automated ELISA System is a compact, fully automated open system that delivers automated sample processing, incubation, reagent addition, washing and detection steps for assays as dened by the manufacturer. With DS2 you can run any assay from any vendor and can bring in tests that you are currently sending out with reliability and ease-of-use.

Designed with full walkaway capability, DS2 quickly and easily processes two 96-well microplates and up to 12 dierent assays simultaneously. The system also features a user-friendly control system, chain of custody management and on-board instrument diagnostics.

### Run Any Assay from Any Vendor

From clinical diagnostics, such as autoimmune and infectious disease to food safety and drugs of abuse testing, DS2 has the comprehensive capability needed to ensure the rigorous, repeatable analysis required to deliver the most accurate results.

### Reliable Workload Scheduling

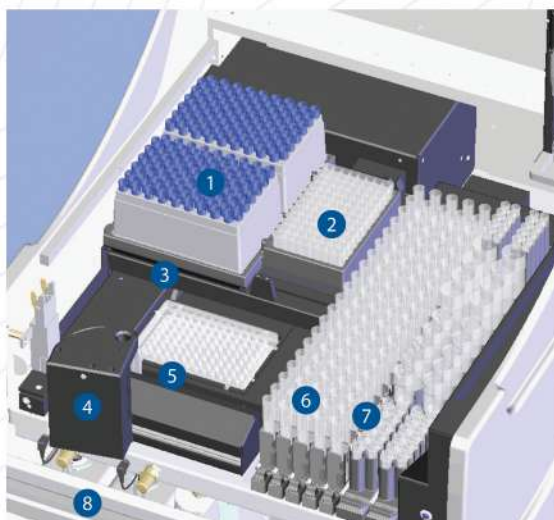
DYNEX designed DS2 for simplicity, eciency and reliability. The system uses a multi-function robot arm that does everything from pipetting to operating the barcode reader. For the past 2 years DS2 has achieved 98.5% uptime when mean time between failure target is set at 250 days.

- Schedule your preventive maintenance during slow periods
- Prevent unscheduled downtime

# Minimum Space Required



## DS2 Workspace Area



1. 2 sample-tip racks (216 tips total)
2. 12 deep-well dilution strips (96 wells total)
3. Embedded reader and 2-plate incubator
4. Barcode reader (optional)
5. 2 independent plate carriers
6. 5 slide-in sample racks (100 samples total)
7. 2 slide-in reagent and control racks
8. Access panel to buers, waste bottles and waste-tip container



# BactoCount IBC

**THE MOST ACCURATE AND DEPENDABLE BACTERIA COUNTER IN THE WORLD**

**Highly Accurate, Reliable and Real-time Enumeration of Individual Bacteria for the Determination of Raw milk Hygienic Quality at up to 150 Samples Per Hour**

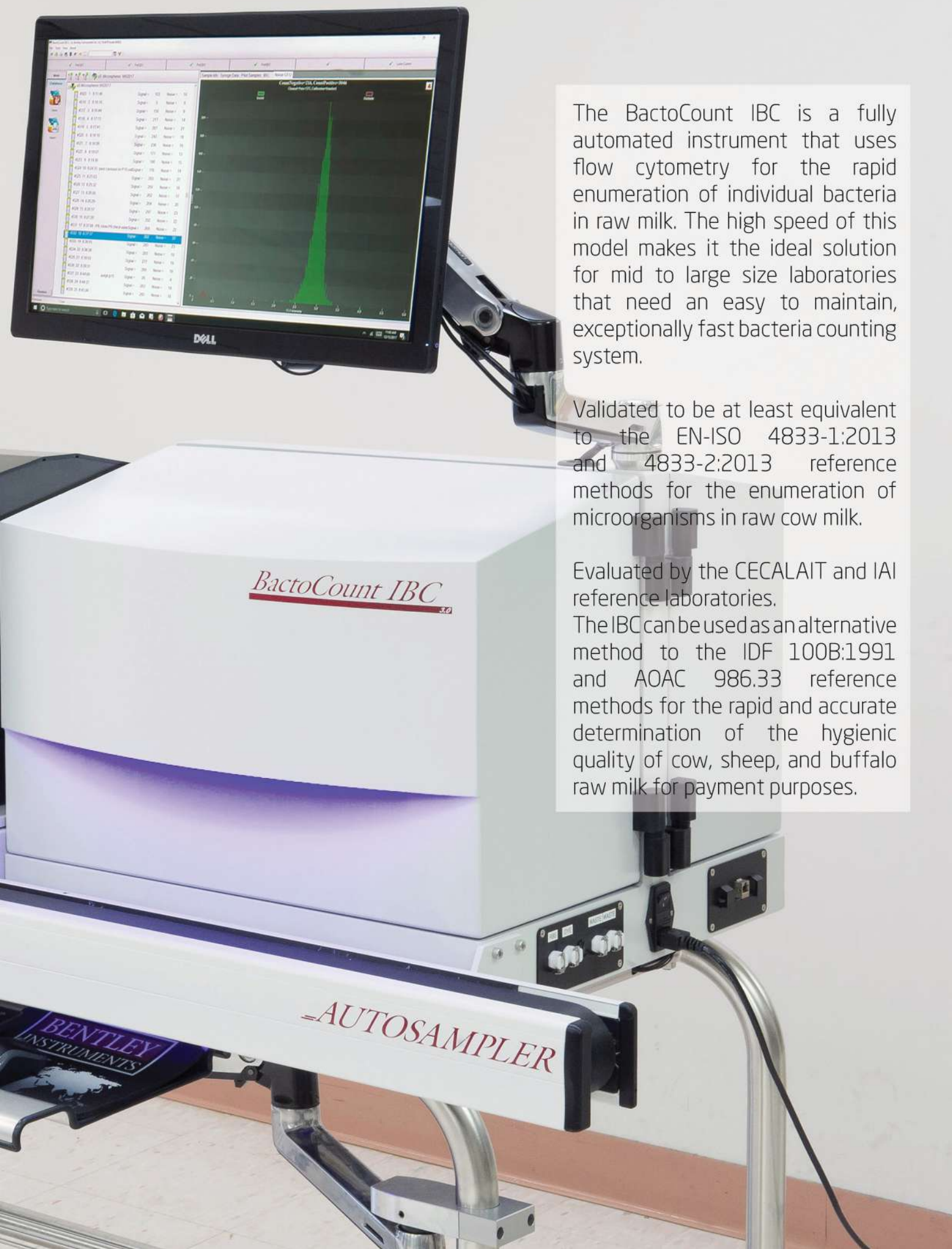


**BENTLEY**  
INSTRUMENTS

**MICROVAL**



European validation and certification organisation



The BactoCount IBC is a fully automated instrument that uses flow cytometry for the rapid enumeration of individual bacteria in raw milk. The high speed of this model makes it the ideal solution for mid to large size laboratories that need an easy to maintain, exceptionally fast bacteria counting system.

Validated to be at least equivalent to the EN-ISO 4833-1:2013 and 4833-2:2013 reference methods for the enumeration of microorganisms in raw cow milk.

Evaluated by the CECALAIT and IAI reference laboratories.

The IBC can be used as an alternative method to the IDF 100B:1991 and AOAC 986.33 reference methods for the rapid and accurate determination of the hygienic quality of cow, sheep, and buffalo raw milk for payment purposes.

# Large Capacity Refrigerated Centrifuge

(Blood Bank Centrifuge)

## Features

1. Widely used in the field of blood bank, pharmaceutical factory and laboratory.
2. Frequency conversion motor, in great torque, free maintenance, no powder pollution, quick in speed up and down.
3. With pre-cooling function, Digital display which indicates the program, speed, time, RCF, temperature.
4. Micro computer control, there are 10 kinds of program and 10 kinds of acceleration and deceleration for your choice.
5. There are several kinds of rotors for your choice.
6. Electric lid lock, compact design, super speed and imbalance protection.
7. The centrifuge body is made of high-quality steel, safe and reliable.



# Laboratory Refrigerator and Freezers

Laboratory Refrigerator is specialized refrigerating equipment for cold storage of pharmaceuticals as well as biological products and so forth. It is suitable for hospital, drugstore, pharmaceutical factories, sanitation and antiepidemic station and clinics.



## Specialist in Lab Refrigerator and Freezers



# OZONOBARIC P

## medical ozone generator

The most advanced in medical ozone generators. It incorporates the latest application concepts. OZONOBARIC P is a portable system suitable for any application of Ozone Therapy. It is equipped with the most advanced technology such as the dual photometric system and ACM for the measurement of concentrations, double catalyst to avoid cross contamination, high frequency generator with coaxial ventilation. Major autohemotherapy with dose priority, bag therapy in open and closed modes, automatic syringe size detection, independent vacuum system.

The OZONOBARIC P allows ozone therapy anywhere due to its low consumption and lightness. Built in a waterproof case resistant to humidity and rain, it has the capacity to carry an oxygen bottle and its pressure regulator.



# Ozonette

## medical ozone generator

OZONETTE is a compact medical ozone generator, of great ease of use and resistance, designed to be used in those ozone therapy applications where the safety and the concentrations supplied are precisely measured.

OZONETTE has been designed keeping in mind the needs of Healthcare professionals who need a compact generator for specialty applications where infiltrations are mainly performed.

Syringe applications can be performed easily by automatic syringe size detection and without the need for prior flushing as OZONETTE has no gas dead space allowing safe and fast filling. In addition, the unit has an error message display system, in case the generator is operating outside the specifications, which provides safety to the user in ozone applications in a reliable way.





A black and white cow is shown in profile, facing left, eating hay from a metal trough in a barn stall. The stall is filled with a large pile of dry hay. In the background, the barn's interior is visible, showing wooden beams and a bright light source at the far end of the aisle.

# **Full Scientific Laboratory Solutions**

**Supplies  
Chemicals  
Equipment  
Instruments  
Furniture  
Safety & Apparel**



# **Full Solutions Vet Equipment**



Dental Machines



Monitoring



Tables Trolleys and Sinks



Anaesthesia



Suction



Consumables



Instruments



## Shock wave therapy in veterinary medicine

Extracorporeal shock wave therapy (ESWT) was first used for the treatment of orthopaedic disorders in the mid-1990s. Since then, it has become a standard procedure in pain therapy in humans, horses and small animals. Shock wave systems available in the market today use radial pressure waves or focused shock waves. Focused shock waves are ideal for the treatment of deep target areas, whereas pneumatically generated radial pressure waves are used for the treatment of superficial disorders.

## What are the effects of shock wave therapy?

Shock waves have been demonstrated to produce antibacterial and anti-inflammatory effects. Additionally, growth factors have been found to increase in blood vessels, bones and connective tissue. As well as instant analgesic effects observed during the therapy, shock waves primarily have a long-term influence. Generally speaking, it can be said that the biological effects induced by shock waves produce a time-shifted and sustained response inside the body. However, pain tolerance differs between horses and small animals, and they respond differently to shock wave therapy. As a consequence, accurate diagnostic examination and differential diagnosis are fundamental pillars of successful treatment.

# Shockwave Therapy

STORZ MEDICAL

## Focused Shockwave

## Radial Shockwave



Shockwave applications in horses (examples)



Radial pressure wave therapy:  
tendinopathy



Radial pressure wave therapy:  
trigger point treatment



Focused shock wave therapy:  
osteoarthritis (bone spavin)



Focused shock wave therapy: kissing  
spines



Focused shock wave therapy:  
podotrochlosis



Focused shock wave therapy:  
osteolysis

# ASEPTIX

Disinfection Systems

GERM FREE  
in a **FLASH**



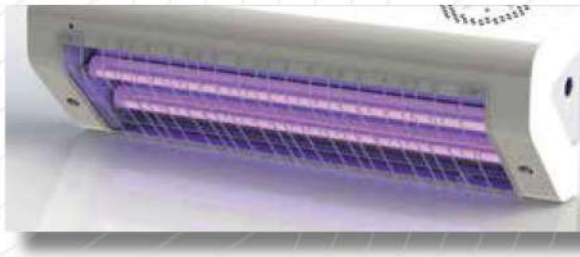
# ASEPTIX<sup>1</sup>

## Fixed UV Disinfection

World's first fully automatic UVC room disinfection System  
Ideal for patient bathrooms and equipment storage rooms

### FEATURES

- Automatically activates after each room use (when door closes)
- Infrared motion detectors prevent unwanted exposure
- Reactivates every 4 hours when room is not in use
- The most effective cleaning possible in 5 minutes
- Tested to show >99.9999% reduction of C. difficile, MRSA, VRE and more



# ASEPTIX<sup>2</sup>

## Mobile UV Disinfection

World's fastest mobile UVC room disinfection system  
Ideal for terminal cleaning of patient rooms and ORs

### FEATURES

- Dual unit operation guarantees the most effective cleaning possible in 5 to 15 minutes
- Minimizes "shadow area"
- Tested to show >99.9999% reduction of C. difficile, MRSA, VRE and more
- Integrated infrared motion detectors prevents unwanted exposure
- Data capture records disinfection process
- Wireless communication and tracking with any smart device



# ISO MAX V

## Universal portable reader



The new ISO MAX V is based on DSP technology (Digital Signal Processing), which guarantees improved reading distance and an outstanding reading robustness against interfering signals, such as TV, PC, etc. The ISO MAX V reads most kinds of transponder available on the market: it reads ISO tags FDX-B and HDX, is backwards compatible with transponder types currently available FDX-A/FECAVA, Avid encrypted and Trovan. The ISO MAX V is the optimal reader to be placed at entry points, customs, airports and ports as well as for professional use in veterinary practices, clinics and animal shelters. It is also ideal for scanning larger animals like horses. Thanks to its lightweight and ergonomic shape, it is easy to handle.

### Features

- Increased reading distance and speed with DSP technology
- Reading of ISO 11784/5 FDX-B and HDX, backwards
- compatible with FDX-A/FECAVA, Avid encrypted and Trovan transponder.
- Resistant to interference, providing a high quality performance
- Uses safe, reliable, low frequency radio-waves
- Reads through all non-conductive materials
- Beeper as confirmation for a successful reading
- Graphic LCD with backlight
- Fast rechargeable battery (2 hours)
- Friendly user interface with improved menu setting
- Possibility to record date & time with ID code
- Possibility to download all codes
- Available with Bluetooth

# DATAMARS

# T-IS 8010

## FDX-B TRANSPONDER

The RFID transponder measures just 13,3 x 2,12 mm. Inside the capsule is an antenna coil and a microchip, which requires no battery and contains the indelible RFID identification code. The code cannot be manipulated and is unique worldwide. The code can always be read, independently of the position of the transponder, whether stationary or in motion.

The reader communicates with RFID transponders via low power, low frequency radio waves. The passive transponder transmits its preprogrammed unalterable code, identifying the animal at high speed and without any possibility of error, through any non-conductive material. As RFID transponders need no battery, they are extremely durable.

### Features

- Totally passive, no battery
- Miniaturised for animal implantation
- Permanent, 15 numeric digits code, 128 bits EEPROM
- Identification code in accordance with ISO Standard 11784
- 6 adhesive bar coded labels
- In disposal one-way syringe
- Sterilised by EtO gas
- Extremely durable



# FLIR T450sc/T430sc

## Compact, Portable Thermal Imaging Cameras



The FLIR T450sc / FLIR T430sc are thermal imaging cameras with a rotating optical block and touch screen interface. These handheld cameras are perfect for bench-top testing in the lab or dynamic testing in the field. The tiltable IR unit gives you great flexibility and allows you to conduct your experiments fast and in a comfortable position.

### IMAGE QUALITY AND THERMAL SENSITIVITY

Both cameras are equipped with an uncooled Vanadium Oxide (VoX) microbolometer detector that produces thermal images of 320 x 240 Pixels. They generate crisp and clear detailed images that are easy to interpret, resulting in reliable imaging with high accuracy. Both cameras are also equipped with a visual camera.

### TOUCH SCREEN

The high quality LCD touch screen presents sharp and bright images. Bringing interactivity and user comfort to a new level. In combination with the large backlit buttons and joystick the cameras are very easy to use.

### RADIOMETRIC RECORDING

Both cameras allow for full dynamic video streaming to PC using USB or to mobile devices using Wi-Fi. They can also create visual and thermal non radiometric MPEG-4 video files. The T450sc can record radiometric IR sequences in real-time directly on camera to SD card storage. These sequences include all temperature data and can be post analyzed on the camera or PC.

### RICH FEATURE SET

Both cameras come with features like Multi Spectral Dynamic Imaging (MSX), UltraMax™ image enhancement, auto-image rotation, image sketch and autofocus. They are equipped with Auto Hot/Cold Spot & Audible/Visual Alarms. Onscreen emissivity tables, up to 5 temperature measurement spots, and Delta T functionality mean you can quickly acquire and easily compare temperature data.

### KEY FEATURES

- THERMAL AND VISUAL CAMERA
- VOX UNCOOLED MICROBOLOMETER: 320 X 240 PIXELS
- MULTI-SPECTRAL DYNAMIC IMAGING (MSX)
- ULTRAMAX FOR UP TO 640X480 PIXEL THERMAL RESOLUTION
- SOFTWARE INCLUDED

# FLIR MR277™

MOISTURE METER, MSX® IR CAMERA & HYGROMETER

The FLIR MR277 is an accurate, easy-to-use, all-in-one tool for quickly locating moisture and building envelope issues. This professional moisture meter combines the advantages of Infrared Guided Measurement (IGM™) with FLIR Multi-Spectral Dynamic Imaging (MSX®) and advanced environmental sensors to help you locate, identify, and document problems. The integrated pinless moisture sensor provides fast, non-invasive readings which you can then confirm with the external pin probe. Features such as the built-in hygrometer and the field-replaceable temperature/relative-humidity sensor expedite troubleshooting, while METER-LiNK® allows you to connect to mobile devices and upload data to the FLIR Tools® app for reporting.



## PROBLEMS FASTER

Easily investigate the source of moisture build-up and building envelope issues

- Clearly see areas of concern with a high-performance 160 × 120 thermal imaging sensor
- Quickly find suspected problems with IGM technology
- Easily identify both the context and the issue with MSX, which embosses visual details on full thermal images
- Target the exact source of problems with the integrated laser pointer



## DIAGNOSE EFFICIENTLY AND ACCURATELY

Take comprehensive measurements and analyze moisture readings

- Quickly scan for moisture with the integrated non-invasive pinless sensor
- Capture exact measurements with an external pin probe (included) and wide range of optional moisture probes
- Reduce downtime with field-replaceable temperature/humidity sensor
- Calculated parameters based on multi-sensor input: grains per pound or grams per kilogram, vapor pressure, and dew point



## DO MORE IN LESS TIME

One tool helps you get the job done

- Create a single file documenting comprehensive thermal and visual imagery with hygrometer readings and laser location
- Download images and data wirelessly or using the included USB cable
- Analyze images and quickly generate reports with free FLIR Tools software
- Easy to use with intuitive interface





# YOUR GUIDE TO THE SAFE



# Diagnostics

We have been selling and specializing in Veterinary Diagnostic Test Kits for over 10 years and have a wealth of knowledge and experience in this field. We are proud to be the exclusive distributor for many well-known brands in this field.

We supply Diagnostic Test Kits to Veterinary Practices, Commercial Laboratories, Veterinary Colleges, Universities, and Charities with many ranges of products. We also offer a full support service for all our clients using our veterinary diagnostic test kits.





# GENESIG

## Brucella genus (All Species)

### Product features

- Exceptional value for money
- Rapid detection of all clinically relevant subtypes
- Positive copy number standard curve for quantification
- Highly specific detection profile
- High priming efficiency
- Broad dynamic detection range (>6 logs)
- Sensitive to < 100 copies of target
- Accurate controls to confirm findings



## VetLine ELISA Kits

| Product                             | Technique | Type                | Category  | Species                       |
|-------------------------------------|-----------|---------------------|-----------|-------------------------------|
| Anaplasma                           | ELISA     | Infectious Diseases | Bacteria  | Anaplasma                     |
| Borrelia                            | ELISA     | Infectious Diseases | Bacteria  | Borrelia                      |
| Brucella                            | ELISA     | Infectious Diseases | Bacteria  | Brucella                      |
| Canine Distemper Virus              | ELISA     | Infectious Diseases | Virology  | Canine Distemper Virus        |
| Canine Parvovirus                   | ELISA     | Infectious Diseases | Virology  | Canine Parvovirus             |
| Coxiella                            | ELISA     | Infectious Diseases | Bacteria  | Coxiella                      |
| Dirofilaria                         | ELISA     | Infectious Diseases | Parasites | Dirofilaria                   |
| Feline Corona Virus (FCoV/FIP)      | ELISA     | Infectious Diseases | Virology  | Feline Corona Virus           |
| Feline Immunodeficiency Virus (FIV) | ELISA     | Infectious Diseases | Virology  | Feline Immunodeficiency Virus |
| Feline Leukemia Virus Antigen       | ELISA     | Infectious Diseases | Virology  | Feline Leukemia Virus         |
| Leishmania                          | ELISA     | Infectious Diseases | Parasites | Leishmania                    |
| Leptospira                          | ELISA     | Infectious Diseases | Bacteria  | Leptospira                    |
| Riemerella                          | ELISA     | Infectious Diseases | Bacteria  | Riemerella                    |
| Toxoplasma IgM *                    | ELISA     | Infectious Diseases | Parasites | Toxoplasma                    |

### Advantages of the VetLine ELISA Kits

- Ready to use reagents
- Standardized procedures
- EIAs with cut off control
- Color coded reagents
- Easy to use on automated systems
- Snap-off microtiter strips
- Long shelf-life
- Type of samples vary depending on the assay: serum, plasma, urine, milk
- Pooled samples



## Horse Vitamin E (VE) ELISA Kit

### Product features

- Compatible with routine laboratory and HTS formats: Assays can be performed in micro-plates.
- Assay range: Data provided with kit
- Sample types: Serum, plasma, saliva, urine, cell culture supernatant, tissue samples and other related supernatants
- Assay type: Competitive
- Reactivity: Horse (Equine)



## Forensic Drug Detection

- ELISA Test Kits and Reagents
- Oral Fluid Collection System
- Automated Equipment



NeoSal Oral Fluid  
Collection System



UltraSal-2

UltraSal-2 50-pack product #US2-50



# Rose Bengal Test Antigen

## for the Serological Diagnosis of Brucellosis

An antigen prepared from *B. abortus* (Strain 99) with Rose Bengal dye and suspended in acid buffer (pH 3.65). Used to detect Brucella antibodies in serum - using a plate agglutination test. It detects antibodies against *B. abortus*, *B. melitensis*, and *B. suis* in serum samples.



**Lillidale**  
**Diagnostics**



## **LilliTest RBT Antigen**

For in vitro veterinary use

**V2001**

**Rose Bengal Test  
Antigen for the  
serological diagnosis  
of Brucellosis**

**10ml**

**Batch: RBT092001**

**Storage: +2 to +8°C**

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trading name of Lillidale Ltd

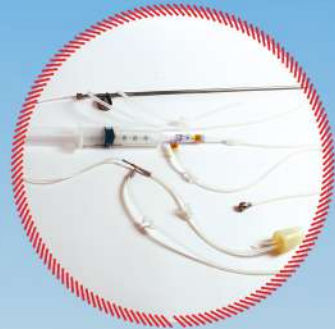


# Embryo Transfer



**imv**  
TECHNOLOGIES

Our product line of bovine embryo transfer supplies. We work hard to come up with high quality products and leading-edge technologies to guarantee you safe and efficient solutions for the bovine embryo transfer process.



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