

2010 | MES | SPERM QUALITY ANALYZERS FOR VETERINARY



COMPANY PROFILE

Dear Colleagues!

West Medica company specializes in manufacturing and distribution of veterinary equipment.

The company was established in 1993. Our market experience through close cooperation with our distributors allows us to produce and deliver high quality products.

The production facility is located in Upper Austria, in Frankenmarkt.

We participate in medical conferences and exhibitions, as well as organize workshops and master classes with leading specialists to provide you with up-to-date information on veterinary medicine.

Our wide distribution network allows us to provide our customers with constant product availability and an efficient after-sales service with qualified personnel. They will answer any questions you might have.

Your friendship and trust are very significant to us and our goal is to provide you with high-quality and professional support.



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SQA-V Series

Sperm Quality Analyzers

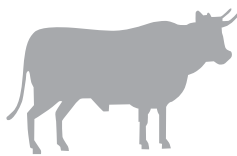


SQA-V is a high performance analytical device that combines the most up-to-date electro-optic technology, computer algorithms and video microscopy. The test results are displayed on the operational screen and can be printed out and saved in the internal archive.

- Automatic results in 75 seconds
- Minimal operator experience or training required
- Automatic dosimetry calculations performed for semen extension
- On-screen visualization of the semen sample on the video screen of the SQA-V or on a PC display (with counting grid and image freezing) using a standard laboratory slide or an SQA-V capillary
- Variable optical magnification from x300 to x500
- A complete semen analysis report can be automatically printed-out
- QC: self-testing, self-calibrating
- Reusable, washable testing capillary
- PC-compatible with special sperm software: import patient data, capture video, save data, full analysis report

Ordering Information

Description	Code
SQA-Vb sperm quality analyzer for bulls	0600
SQA-Vp sperm quality analyzer for pigs	0550
SQA-Ve sperm quality analyzer for equines	0650
SQA-Vt sperm quality analyzer for turkeys	0425



SQA-Vb

Sperm Quality Analyzer for Bulls

- Tests fresh and frozen bull semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Progressive motile sperm concentration (PMSC)
- Motility
- Progressive motility
- Average velocity
- Calculated normal morphology



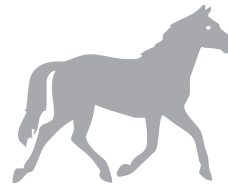
SQA-Vp

Sperm Quality Analyzer for Pigs

- Tests fresh and extended pig semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Motility grading
- Morphology
- Number of motile sperm per ejaculate
- Number of total sperm per ejaculate



SQA-Ve

Sperm Quality Analyzer for Equines

- Tests raw, extended, cooled and frozen equine semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Progressive motile sperm concentration (PMSC)
- Motility
- Progressive motility
- Average velocity
- Calculated normal morphology



SQA-Vt

Sperm Quality Analyzer for Turkeys

- Tests fresh turkey semen

Parameters tested

- Concentration
- Motility
- Extension rates for dosimetry

Specifications

General characteristics

Measurement Compartment	<ul style="list-style-type: none"> – sources of radiant energy – two LEDs for motility and spectrophotometry channels – detector system – two photo detectors – Motility and Optical Density
Visualization Compartment	<ul style="list-style-type: none"> – white LED illumination system – CCD, 330 TV lines – objective: Standard, 20x – signal output: PAL standard – ZOOM system for magnification transition between 300x and 500x – focus regulator
Displays	<ul style="list-style-type: none"> – operational backlight LCD (16 lines x 40 characters) – video backlight LCD (8x10 cm)
Printer	<ul style="list-style-type: none"> – built-in, dot matrix – 58 mm paper, with 20 characters per line – ribbon cassette
Keypad	<ul style="list-style-type: none"> – operational keys – numeric buttons – cursor buttons – video control keys
Interface	<ul style="list-style-type: none"> – video output (RCA) – RS-232 cable plug-in
Accessories for testing sample	<ul style="list-style-type: none"> – measuring capillary: plastic, loaded syringe for an easy aspiration of sample – standard laboratory microscope slide: depth 20 microns, coverslip 22x22 mm
Memory	500 test results, 500 QC-measurement
Analysis time	75 seconds
Signals	<ul style="list-style-type: none"> – input signal from motility channel: analog, up to 5 V – input signal from spectrophotometer channel: modulated (1 kHz), analog, up to 5 V
Quality control	<ul style="list-style-type: none"> – internal electronic self- test and auto-calibration
Dimensions, weight	40x30x15 cm (HxWxD), 5 kg
Power supply	100–250 V AC, 50/60Hz
System requirements for software	CPU 1 GHz or better, RAM 256 MB, HDD free space 200 MB, AGP-Video Board with minimum 16 MB RAM, Monitor 15" with minimum resolution 640x480 and 16-bit color, CD-ROM drive, Windows XP OS and higher, DirectX, DivX, RS-232 and two USB ports

QwikCheck Gold Series

Sperm Quality Analyzers

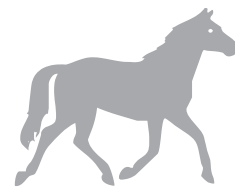


QwikCheck Gold is designed for smaller operations that still demand the highest levels of accuracy and precision during semen evaluation. Internal temperature control and an external pre-heating dock ensure consistent readings throughout the testing cycle.

- Fast, simple and accurate semen testing in less than one minute
- Temperature control
- Prints test results on a label maker
- 250 record archive for test results and later printing
- QC: self-testing, self-calibrating
- Reusable, washable testing capillary

Ordering Information

Description	Code
QwikCheck Gold Bull sperm quality analyze for bulls	FPE-FA-00371-00
QwikCheck Gold Pig sperm quality analyze for pigs	FPE-FA-00370-00
QwikCheck Gold Equine sperm quality analyze for equines	FPE-FA-00369-00



Qwikcheck Gold Bull

Sperm Quality Analyzer for Bulls

- Tests fresh and frozen bull semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Progressive motile sperm concentration (PMSC)
- Motility
- Progressive motility
- Average velocity
- Calculated normal morphology

Qwikcheck Gold Pig

Sperm Quality Analyzer for Pigs

- Tests fresh and extended pig semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Motility grading
- Morphology
- Number of motile sperm per ejaculate
- Number of total sperm per ejaculate

Qwikcheck Gold Equine

Sperm Quality Analyzer for Equines

- Tests raw, extended, cooled and frozen equine semen

Parameters tested

- Total sperm concentration (TSC)
- Motile sperm concentration (MSC)
- Progressive motile sperm concentration (PMSC)
- Motility
- Progressive motility
- Average velocity
- Calculated normal morphology

Specifications

General characteristics

Measurement Compartment	<ul style="list-style-type: none">— sources of radiant energy — two LEDs for motility and spectrophotometry channels— detector system — two photo detectors — Motility and Optical Density
Display	operational backlight LCD (16 lines x 40 characters)
Printer	<ul style="list-style-type: none">— external label printer— thermostatic label paper with 30 characters per line (Brother)
Keypad	<ul style="list-style-type: none">— operational keys— numeric buttons— cursor buttons
Interface	RS-232 cable outlet
Accessories for testing sample	measuring capillary: plastic, loaded syringe for an easy aspiration of sample
Memory	250 test records in each archive
Analysis Time	normal test — about 75 seconds
Temperature control	37 °C
Signals	<ul style="list-style-type: none">— motility channel input signal: analog, up to 5 V— spectrophotometer channel input signal: Modulated (1 kHz) analog, up to 5 V
Quality Control	internal: electronic self-test and auto-calibration
Dimensions, weight	20x30x15 cm (HxWxD), 4.1 kg
Power supply	100–250 V AC, 50/60 Hz, 10 VA

QwikCheck QC Series

Sperm Quality Analyzers

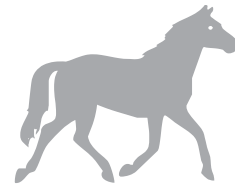
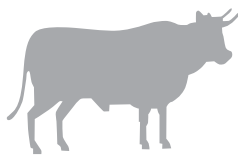


QwikCheck QC is designed for Vets who inseminate sows and want to QC semen samples. Internal heating insures accuracy and results can be printed to an optional label printer.

- Automatic assessment of semen parameters
- Fast, simple and accurate semen testing in less than one minute
- Temperature control
- Prints test results on a label maker
- QC: Self-testing, self-calibrating
- Reusable, washable testing capillary

Ordering Information

Description	Code
QwikCheck QC Bull sperm quality analyzer for bulls	QCH-FA-00366-00
QwikCheck QC Pig sperm quality analyzer for pigs	QCH-FA-00367-00
QwikCheck QC Equine sperm quality analyzer for equines	QCH-FA-00368-00



Qwikcheck QC Bull

Sperm Quality Analyzer for Bulls

- Tests frozen bull semen

Parameters tested

- Motile sperm concentration
- Progressive motile sperm concentration
- Velocity
- Total motile sperm per straw volume
- Total progressively motile sperm per straw volume

Qwikcheck QC Pig

Sperm Quality Analyzer for Pigs

- Tests extended pig semen

Parameters tested

- Total sperm concentration
- Motility
- Number of total sperm per ejaculate
- Number of motile sperm per ejaculate

Qwikcheck QC Equine

Sperm Quality Analyzer for Equines

- Tests extended, cooled and frozen equine semen

Parameters tested

- Total sperm concentration (not for frozen sperm samples)
- Motility
- Progressive motility
- Motile sperm concentration
- Progressive motile sperm concentration
- Velocity

Specifications

General characteristics

Measurement Compartment	<ul style="list-style-type: none">— sources of radiant energy — two LEDs for motility and spectrophotometry channels— detector system — two photo detectors — Motility and Optical Density
Display	operational backlight LCD (4 lines x 40 characters)
Printer	<ul style="list-style-type: none">— external label printer— thermostatic label paper with 30 characters per line (Brother)
Keypad	<ul style="list-style-type: none">— operational keys— numeric buttons— cursor buttons
Interface	RS-232 cable outlet
Accessories for testing sample	measuring capillary: plastic, loaded syringe for an easy aspiration of sample
Memory	last measurement
Analysis Time	normal test — about 75 seconds
Temperature control	37 °C
Signals	<ul style="list-style-type: none">— motility channel input signal: analog, up to 5 V— spectrophotometer channel input signal: Modulated (1 kHz) analog, up to 5 V
Quality Control	internal: electronic self-test and auto-calibration
Dimensions, weight	14x34.5x21 cm (HxWxD), 3.5 kg
Power supply	100–250 V AC, 50/60 Hz, 10 VA

Your Veterinary Laboratory



Vielab H-18V
automated hematology analyzer



Vielab CH-22V
chemistry analyzer



MicroOptix
laboratory microscopes



Vielab CL-1V
coagulometer



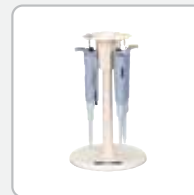
Vielab EI-30V
microstrip immune-enzyme analyzer



Vielab U-11V
urine analyzer



Centrifuges

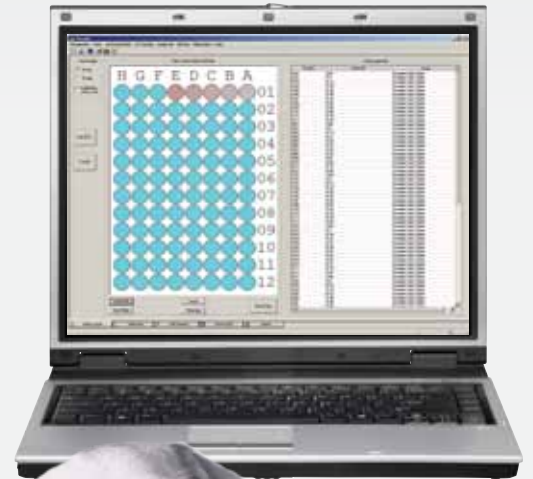


Pipettes



Reagents

LabLine V Automated Chemistry and ELISA Analyzers for Veterinary



- Full range of chemistry and ELISA tests.
- Multifunctional, fast and easy to use.
- Open system for any methods and reagent systems.
- Languages available: English, Spanish and other.
- Random Access, STAT Testing, simultaneous monitoring of several tests.
- Uses standard microplates for all reactions.
- Parallel analysis of many kinetic tests. High throughput with high level of precision.
- Functions: preliminary dilution, dispensing, mixing, incubation, washing, measuring and generation of final reports.

Chemistry Analysis

enzymes, substrates, lipids, electrolytes, serum proteins immune turbidimetry, serum proteins latex immune turbidimetry.

ELISA

infections, reproductive function, endocrinology, pregnancy.

WEST MEDICA

WEST MEDICA
Hegelgasse 19, A-1010,
Vienna, Austria
Tel.: +43 (1) 804 81 84
Fax: +43 (1) 804 81 85
vienna@westmedica.com

WEST MEDICA
100 King St. W, Suite 5700,
Toronto, Ontario, M5X 1C7
Tel.: +1 (416) 915-4245
Fax: +1 (416) 915-3177
toronto@westmedica.com

www.westmedica.com
www.mes-europe.com

We reserve the right to change specification without notice.

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Distributor

