SQA-Vp Sperm Quality Analyzer for Pigs

Automated Semen Analysis in one minute!

The SQA-Vp is an analytical veterinary device that performs a complete quantitative evaluation of semen quality in **less than 1 minute**. This high performance, user-friendly system will standardize processes, enhance through-put and increase the accuracy of testing and dose preparation. A QC mode ensures that samples meet quality standards prior to AI.

DOSING-FRESH Mode: Analyzes fresh semen and provides dosing calculations based on total, motile, or morphologically normal sperm per AI dose.

EXTENDED Mode: Tests samples to determine the Motile and Total sperm concentration and other parameters for batch control and quality control prior to insemination.

Features

- Tests both fresh and extended semen samples
- Automated dosing
- User-friendly with precise screen directions and minimal key-strokes
- FDA and CE certified
- QC: Self-testing, self-calibrating. Runs latex beads QC material
- Visualization system (x300 to x500 magnification)
- Disposable and reusable testing capillary
- P-Sperm™ software included for data, boar and QC management

Automated Tests

- Sperm Concentration
- Motile Sperm Concentration (MSC)
- % Motility
- Motility Grading (0-5)
- % Morphology
- Sperm # (billions per ejaculate)
- Motile Sperm # (billions per ejaculate)

Performance Claims

Sensitivity

- Concentration: 90%
- Motility: 75%
- Morphology: 60%

Specificity

- Concentration: 90%
- Motility: 75%
- Morphology: 80%

Correlation to Manual Method

- Concentration: 0.9
- Motility: 0.8
- Morphology: 0.7

Precision CV's

- Concentration: 3%
- Motility: 5%
- Morphology: 5%

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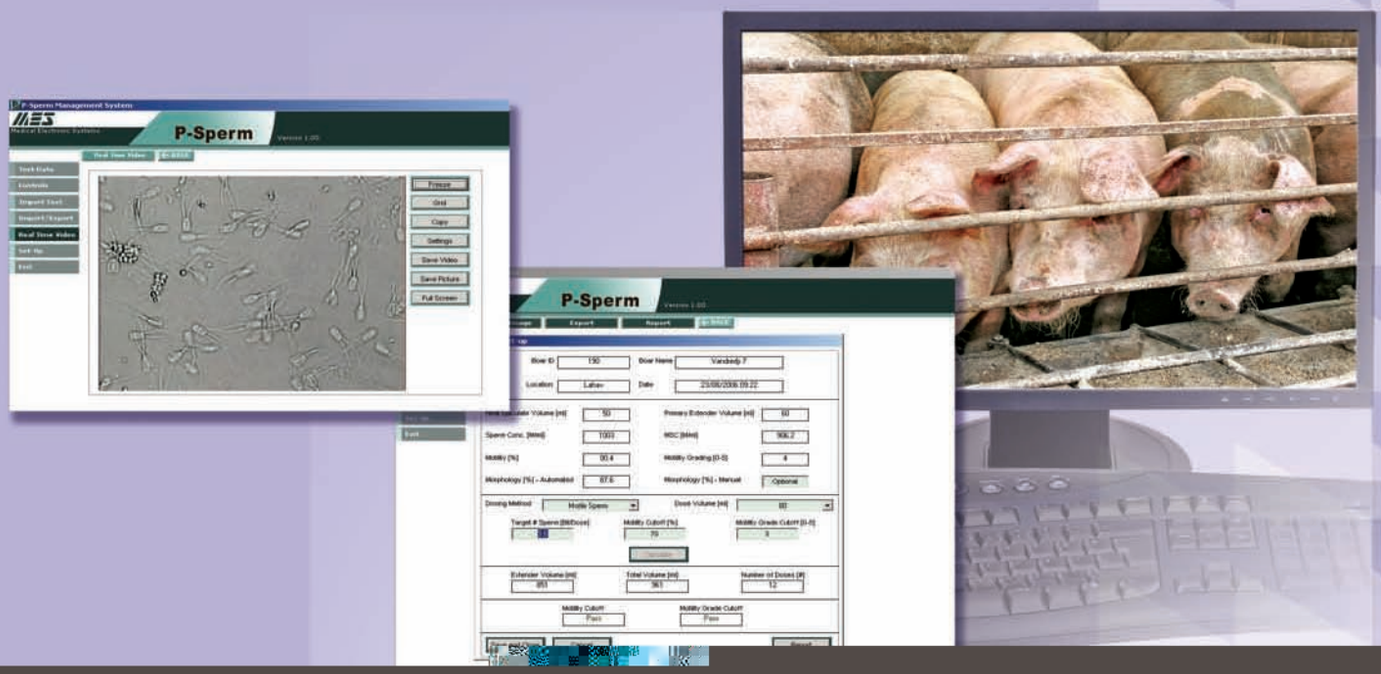
www.a-tech-global.com

www.121graphicdesign.com

P-Sperm™

Video & Data Management Software for the SQA-Vp



Video & Data Management Software for use with the SQA-Vp

P-Sperm™ is a software package that is included with every SQA-Vp and greatly enhances the data management, storage and video capabilities of the system.

Features

- Import test data from the SQA-Vp
- Automatic AI dosing: Calculate doses by motile, total or morphologically normal sperm
- Collect and sort data, run graphs and view the test results by individual boar
- View live semen sample images on the PC screen
- Save test results with video clips or still images attached
- Password/security
- Optional language settings

System Requirements

- PC: 1 GHz processor, Pentium 3, RAM: 256 MB
- Monitor: 15” color
- AGP-video display card with at least 16 MB of RAM memory
- Video color: At least 16 bit (65,535)
- CD ROM drive
- 10 GB free hard disk space for image capturing (approx. 10,000 clips)
- Video resolution: Minimum 640 x 480
- Operating system compatibility: Windows XP, Windows Vista
- Ports: One serial; two USB ports
- MS Excel/Word

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