SQA-Ve Sperm Quality Analyzer for Stallions

Automated Semen Analysis in 2 minutes!

The SQA-Ve is an analytical veterinary device that performs a complete quantitative evaluation of equine semen in **2 minutes**. This high performance, user-friendly system will standardize processes, enhance through-put and increase the accuracy and quality of semen analysis and AI dose preparation for raw, extended, cooled and frozen equine semen.

RAW Mode: Tests fresh semen & calculates how to to prepare frozen, extended or cooled doses based on total, motile or progressively motile sperm concentration. Select target values for concentration and maximum volume per dose.

EXTENDED, COOLED and FROZEN Modes:

Test samples prior to shipping/insemination to determine the quality of the sample.

Features

- Tests raw, extended, cooled and frozen equine semen
- Automated dosing
- User-friendly with precise screen directions and minimal key-strokes
- FDA and CE certified
- QC: Self-testing, self-calibrating.
- Visualization system (x300 to x500 magnification)
- Disposable and reusable testing capillary
- Data export to a PC in formatted Excel tables or in .csv format

Automated Tests

- Sperm Concentration
- Motile Sperm Concentration (MSC)
- Progressively Motile Sperm Concentration (PMSC)
- % Motility
- % Progressive Motility
- Velocity
- % Morphology

Performance Claims

Specificity

- Concentration: 100%
- Motility: 96%
- Morphology: 93%
- Prog Motility: 90%

Sensitivity

- Concentration: 96%
- Motility: 95%
- Prog Motility: 100%

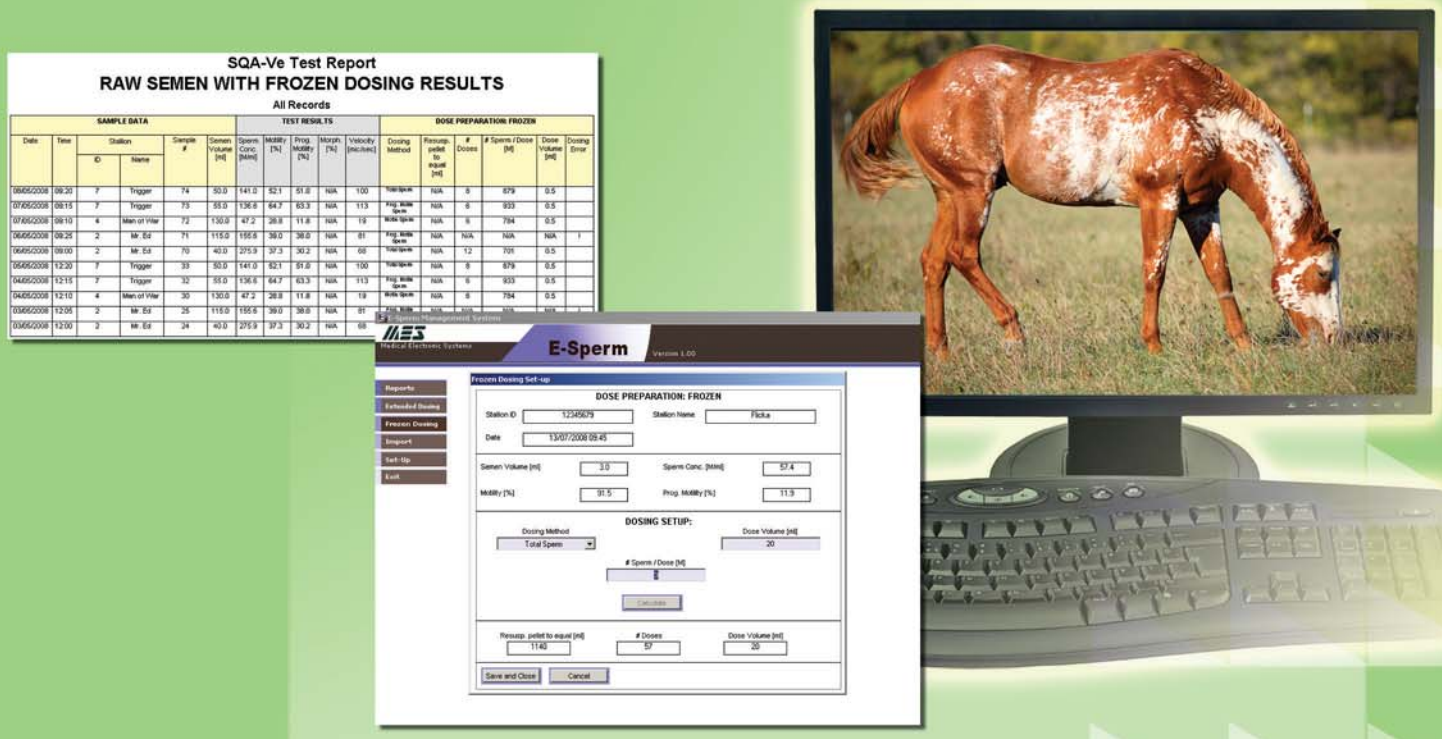
Correlation to Manual Method

- Concentration: 0.99
- Motility: 0.96
- Morphology: 0.74
- Prog Motility: 0.89

A-Tech Advanced Agricultural Technologies
A Division of Medical Electronic Systems

www.a-tech-global.com

E-Sperm™ Data Management Software for the SQA-Ve



Data Management Software for use with the SQA-Ve

Features

- Import test data from the SQA-Ve
- Automated dosing based on total, motile or progressively motile sperm concentration
- Report tables
- Data base of test and dosing results
- 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

A-Tech Advanced Agricultural Technologies
A Division of Medical Electronic Systems

www.a-tech-global.com