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

www.a-tech-global.com
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

www.a-tech-global.com