# SQA-Vt **Sperm Quality Analyzer for Turkeys**

*Automated Semen Analysis in one minute!*

**The SQA-Vt** 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 semen analysis, AI dose preparation, sorting and overall flock management.

**Dosing Mode**: Tests both neat and diluted pooled semen. Performs AI dosing calculations based on motile or total sperm concentration.

**QC Mode**: Analyzes the quality of turkey semen prior to insemination after extenders or diluents have been added to the sample. Semen parameters tested: Total and Motile Sperm Concentration and % Motility.

**Sorting Mode**: Analyzes the semen of individual toms in a flock. Test results can be grouped by flock and flock histograms generated.

## Features

- Tests both fresh and extended 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
- T-Sperm™ software included for data, flock and QC management

## Automated Tests

- Total Sperm Concentration (TSC)
- Motile Sperm Concentration (MSC)
- % Motility

## Performance Claims

**Accuracy**
- TSC: 0.9
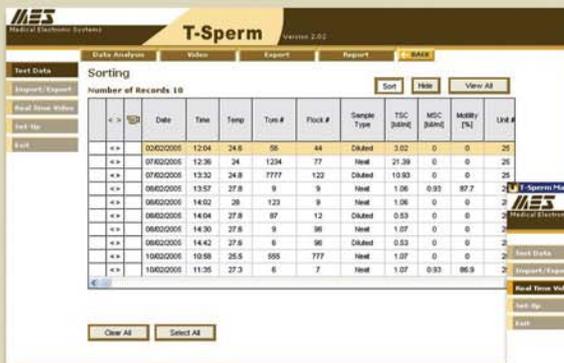- MSC: 0.9
- % Motility: 0.9

**Correlation to Manual Method**
- TSC: 0.9
- MSC: 0.65

**Precision CV's**
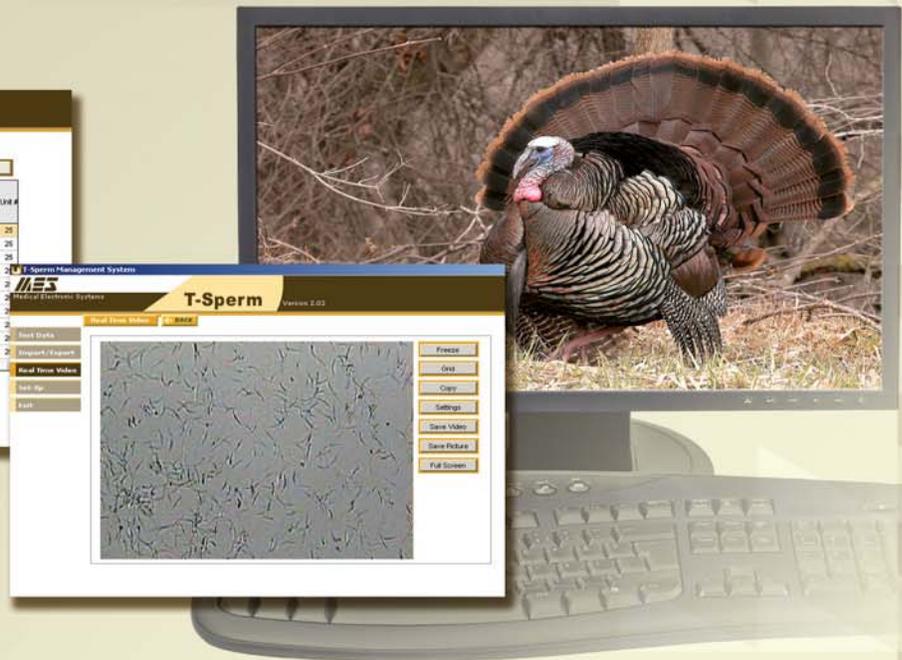- TSC: 4.0%
- MSC: 5.5%
- % Motility: 6.0%

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# T-Sperm™ Video & Data Management Software for the SQA-Vt



## Video & Data Management Software for use with the SQA-Vt

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

## Features

- Import test data from the SQA-Vt
- Automatic dosing: Calculates by motile sperm concentration (MSC) or total sperm concentration (TSC)
- Run flock histograms for TSC, MSC and Motility and view sorting tables
- View live semen 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