



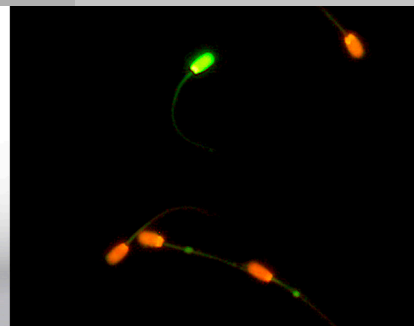
 **SQS**
Seminal Quality System

SEMINAL QUALITY

SYSTEM - SQS

The SQS[®] Pro provides an accurate, fast, easy, and affordable sperm analyze experience. Concentration, viability and quality only in one step.

A cutting-edge device that saves time and money to calculate accurate insemination doses. Ensure your seminal doses production.



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SEMINAL QUALITY SYSTEM - SQS

BRIEF DESCRIPTION

The Seminal Quality System Pro version (SQS® Pro) is a new compact and high-throughput advanced system for automated semen quality analysis in boar semen doses production. The system is based on the cell counting, using a dual fluorescent staining. The dual staining method allows differentiating live and dead sperm cells. As result of analysis a text report with dose calculation is provided.

The SQS® Pro is a spermatozoa counter based on fluorescence microscopy using high resolution CMOS camera technology, blue light-emitting diode and an advanced image analysis system with new autofocus technology.

INTERACTIVE SOFTWARE EXPERIENCE

Once the SQS® Pro has analyzed the sperm cells, you can check to see which ones were judged to be live or dead on the touch screen. Green and red circles indicate live and dead cells, respectively. A separate computer is not needed to review or even analyze the data. Users can see results directly on the device.

CONFIGURABLE PARAMETERS:

- >>> Dose Volume: quantity in milliliters of the desired dose.
- >>> Desired Sperm: quantity of spermatozoa per dose.
- >>> Analysis Dilution: dilution ratio used to prepare the semen sample.

MEASURED PARAMETERS:

- >>> Total number of spermatozoa (per ejaculate).
- >>> Concentration (millions per ml).
- >>> Viability (%).
- >>> Tail abnormalities and cytoplasmic droplets (%).
- >>> Useful spermatozoa (millions per ml).
- >>> Number of Doses.
- >>> Extender Volume necessary to the doses.

KEY BENEFITS:

Advanced Accuracy.

- >>> Extreme precision, accuracy and easy to use.
- >>> One step concentration, viability and morphology evaluation in a few minutes.
- >>> Autofocus technology for fast and reliable cell counting.
- >>> Defining different areas where sperm will be evaluated to eliminate variations.
- >>> Safe handling and disposal of stained samples thanks to the R&G test® kit running with the device.

Touch Screen Interface

- >>> Stand-alone compact.
- >>> Simplify data entry.
- >>> Operated by touch screen interface.
- >>> Sperm evaluation results can be monitored immediately on screen.
- >>> Automated text file reports with output web-based database software for statistics analyses.

On-board Monitoring.

- >>> On-line Support & Updates.
- >>> Wi-Fi or Ethernet connection.
- >>> No cleaning or calibration. No maintenance.

Reagents & Accessories (the R&G test® kit).

- >>> The patented design counting slide has precise 10 µm chamber height and evenly distributes the cells throughout the chamber.
- >>> Disposable staining tubes and slides. Four chambers per slide make it cost-effective and easy to use (25 slides/box).
- >>> Improved design allows better filling and reading process. When you place the tip, the fluid line indicating when to stop the filling process.