

21 CFR Part 11 Compliant

TOX IVOS

Sperm Analyzer



**Fast and Accurate Sperm
Motility and Counts**

Rat, Mouse, Rabbit & More

Integrated Internal Optics

Designed with an integrated, internal optical system, the TOX IVOS is the only sperm analyzer which uses illumination strobed at 1/1000 second to analyze sperm motion. This means that errors due to motion-related blurring are eliminated and accuracy is increased. With the addition of a 60 fps image capture rate, the TOX IVOS provides the highest level of accuracy for measuring all parameters of sperm motion.

Homogenized Sample Counts

Every TOX IVOS includes the IDENT fluorescent illumination system for total sperm counts in homogenized samples. Through use of a DNA-specific, fluorescent stain, sperm heads are clearly visualized and identified while cellular debris is eliminated. The process requires only one staining step and samples are ready for analysis in minutes. For added ease of use, the TOX IVOS will also automatically calculate and report the sperm/gram ratio based on user-entered tissue weight.

Data Management

The large amount of data produced in reproductive toxicology studies is easily handled by the TOX IVOS. For transfer of data to spreadsheet or database programs, the HDATA ASCII Export allows you to select and automatically store results, individual track data, setups, and sample information directly to file. If Custom Reports are required, the Clinical Filing system lets you design up to three one-page reports with only the information you need.

Q.C. And Validation

Full disclosure QC is automatic after each sample analysis. Accuracy of cell identification is confirmed on the PLAYBACK screen. Step by step validation procedures for verification of internal calculations are provided in the TOX IVOS Validation Handbook. System performance has been validated according to regulatory guidelines in governmental, commercial, and pharmaceutical reproductive toxicology labs.

Digital Images Saved to Disk

For the highest level of raw data protection and archiving, exact digital images of all fields analyzed may be automatically saved to disk using the Digital Image Storage option. All images are stored with pertinent sample and setup information for easy retrieval. You may choose to reanalyze stored images according to stored analyzer setups or apply new settings.



Call or write today for more information or to arrange an on-site demonstration!



HAMILTON THORNE BIOSCIENCES

100 Cummings Center, Suite 465E, Beverly, MA 01915 USA
(978) 921-2050, (800) 323-0503, Fax: (978) 921-0250
sales@hamiltonthorne.com, www.hamiltonthorne.com