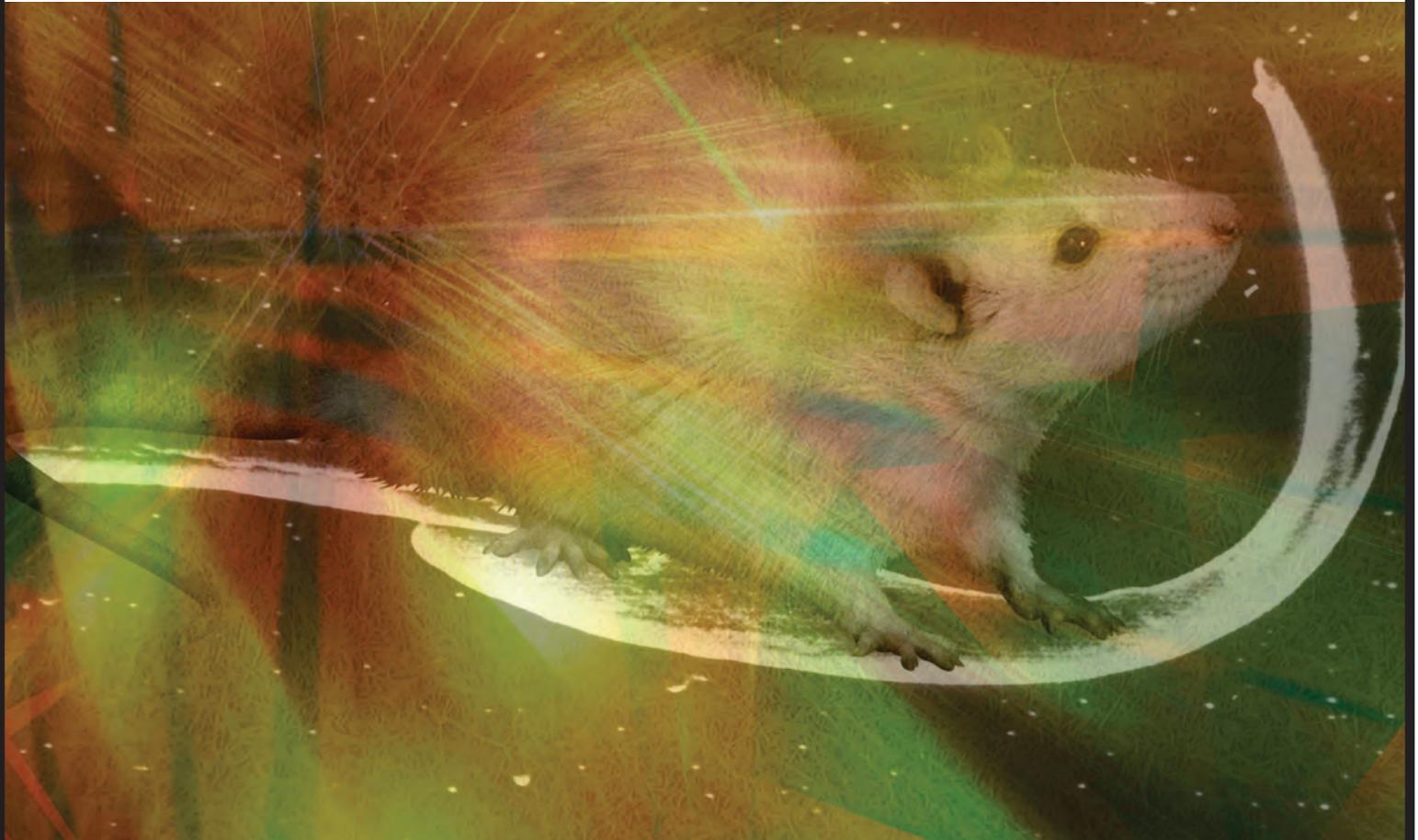


TOX IVOS II

IDENT Fluorescence



Accurate Sperm Counts from Cauda Homogenate

**For sperm samples with high levels of debris,
the IDENT fluorescence system provides clear
separation of sperm from debris, giving you
sperm counts you can rely on.**

Highest Levels of Accuracy

Accurately counting sperm in samples with a high quantity of debris is nearly impossible for most automated analyzers. However, the IDENT fluorescence system accurately counts sperm in even the most difficult samples. The fluorescent, DNA-specific stain penetrates sperm heads to make sperm clearly illuminated and easily identified. Debris is ignored and counting errors are reduced to as little as $\pm 1\%$.

Integrated into IVOS Optics

The IDENT fluorescent system is carefully engineered into the internal optics of the IVOS. Minimal adjustments are required between the standard and fluorescent analysis modes. With the built-in, multiple turret, positioning the UV objective is easy. And since your analysis parameters are set and stored in software, switching to the IDENT fluorescent illumination mode is easily accomplished with one mouse click.

Fast & Easy Sample Preparation

Sample preparation and staining require only a few simple steps. Simply resuspend the dye in the IDENT Stain tube, add an aliquot of cauda homogenate, and incubate for just 2 minutes.

Results and Quality Control

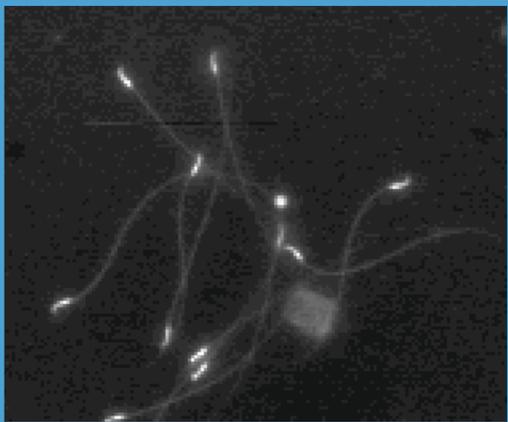
The TOX IVOS automatically calculates and reports the sperm/gram ratio based on user-entered tissue weight. Accurate identification is easily confirmed using the Playback feature.

Rat Sperm Morphology

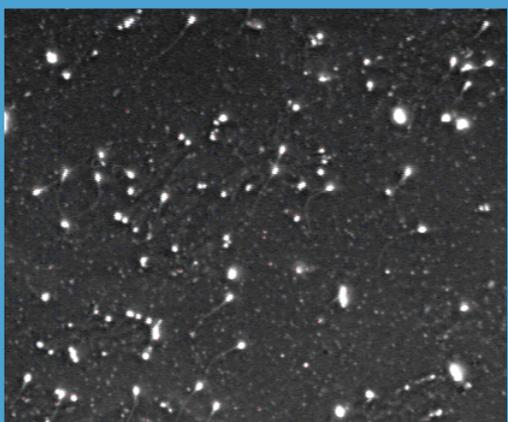
The Rat METRIX Morphology program uses a combination of visible illumination (phase contrast) and IDENT fluorescent illumination for morphology analysis. The fluorescent image is used to identify the sperm head and the visible image to accurately determine cell measurements.

Strobed Fluorescence

Strobed illumination is not only beneficial when using standard illumination but also when using IDENT fluorescence. Because the fluorescent illumination is strobed, exposure to the UV light is limited and phototoxic effects on stained sperm are dramatically reduced. This makes it possible to analyze fluorescent-stained, motile sperm (oval-headed sperm only) without affecting motility.



Rat Sperm with IDENT



Oval-Head Sperm without IDENT



Same Field with IDENT

**Call or write today for
more information.**

