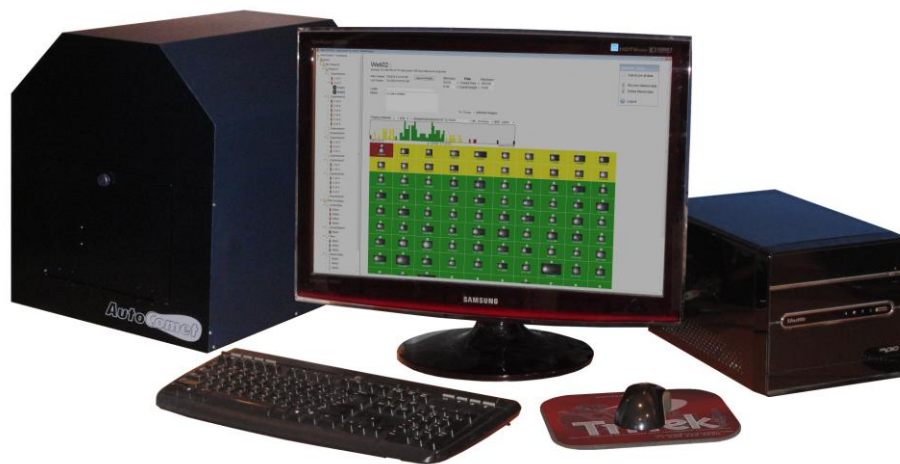


AutoComet

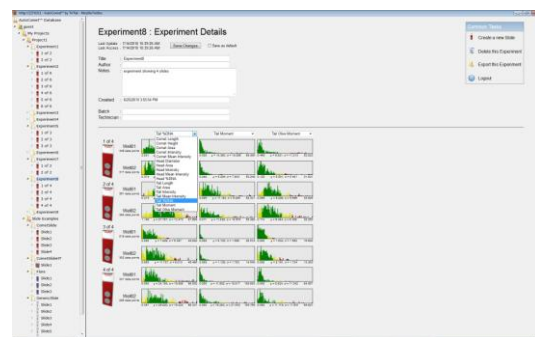


Scoring comets has never been easier!

- LightTight microscope allows for image capture in normal room light
- Intensified digital camera acquires high resolution images while extending fluorescence time
- Automatic acquisition improves statistical confidence by acquiring large numbers of comets
- Proprietary image processing algorithms extract and score each comet automatically
- Data organized into comparative distribution histograms for at-a-glance review
- Filtered cold-light illuminator optimizes excitation to maximize signal-to-noise ratio
- Motorized stage and focus automatically positions slides during unattended acquisition process



Acquisition Setup is Quick and Easy



Distribution Histograms by Metric

AutoComet Specs

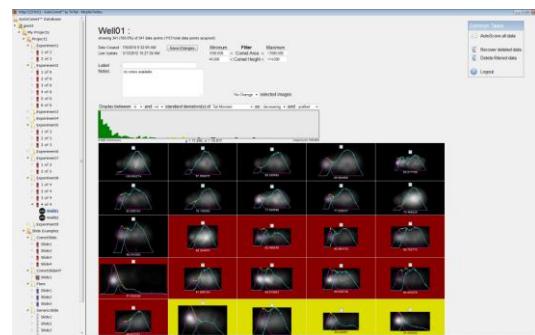
- 10x Nikon brightfield objective lens
- 4-slide capacity stage (standard 75mm x 25mm slides)
- Sub-micron resolution motorized stage and focus
- Proprietary USB stepper motor control electronics
- 1.4 MegaPixel USB digital monochrome camera
- 18mm Gen III Blue intensifier
- 150 Watt Tungsten-Halogen lamp with fiber-optic light guide
- Current generation personal computer and flatscreen monitor



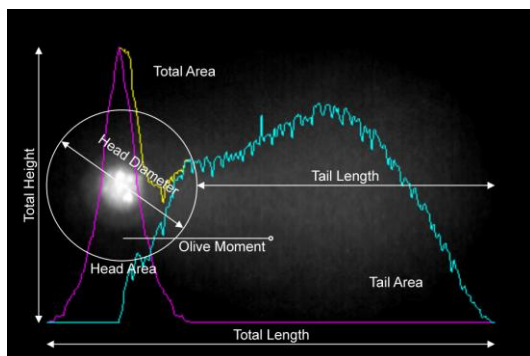
Proprietary
LightTight Microscope

Options

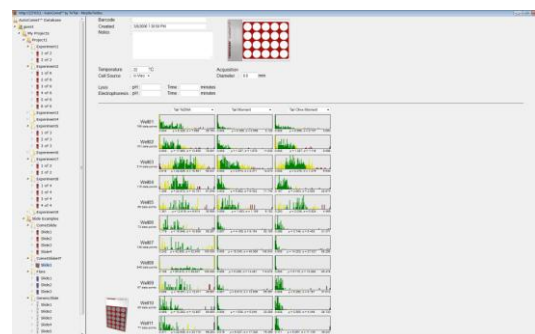
- Robotic excitation/emission filter changer
- Multi-objective lens turret



Single Data Points in Well



Comet Metrics



Trevigen 20 Well Slide