



THE ULTIMATE COMET ASSAY SCORING SYSTEM



Comet Assay IV

Comet Assay IV™ is an interactive live video-based system for scoring cells subjected to the single cell gel electrophoresis technique (comet assay). The system is the very latest in a highly successful series of comet assay scoring systems from Perceptive Instruments that have evolved and developed since the release of our first system in 1992.

- **Single click automatic scoring**
for unrivalled speed and reproducibility
- **Includes all major measurement parameters**
including Tail % DNA, Tail Moment, Tail Length and more
- **Powerful Spreadsheet Generator**
provides analysis & comparison of data
- **Flexible study management facilities**
help you work your own way
- **Meet regulatory requirements**
comprehensive compliance options for GLP & 21CFR
- **Detailed and comprehensive audit trails**
Including saved images of scored cells
- **Oracle database connectivity**
for optimal security of result and audit data
- **Comprehensively tested and validated**
in accordance with our Quality Management System which is approved to ISO 9001:2008 incorporating ISO 9003

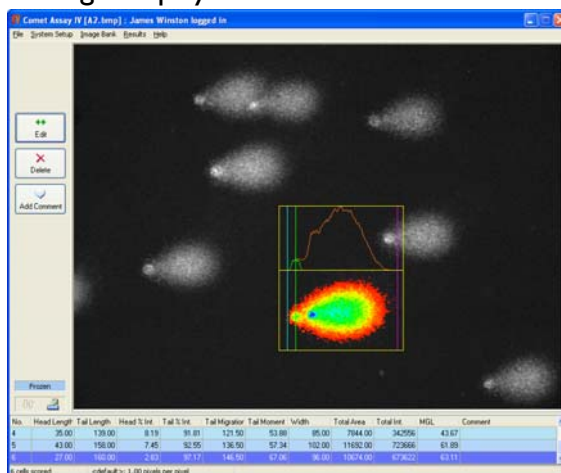
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Live video-based scoring *provides instant feedback to increase user productivity*

Using a high-definition video camera attached to your microscope, **Comet Assay IV** transfers a live video picture to your computer monitor. The image displayed on the monitor mirrors what you would see by looking down the microscope's eyepiece. Any refocusing or stage movements performed at the microscope level are shown live on screen without any lag or delay.

Scoring cells with **Comet Assay IV** is a uniquely effortless process. Simply use the mouse to click on a cell and **Comet Assay IV** will instantly calculate all measurement parameters and automatically add the data for the cell to your list of results. Data can be saved in Microsoft Excel file format and used with the supplied **Spreadsheet Generator** to produce reports, graphs and statistics on your collected data.



Flexible study management *to help you work your own way*

Comet Assay IV does not constrain you in how you organise and run your Comet assay studies. Instead, the program uses the simple concept of configurable headings for individual measurement sessions to quickly and easily organise your study data. **Comet Assay IV** uses configurations to manage the setup of the program for a range of different experiment protocols.

Auditing and user administration *helping you meet regulatory requirements*

Comet Assay IV incorporates powerful auditing and security features that can be implemented according to your own requirements. The program generates in-depth audit trails that include details of every action performed by the users of the system, with date, time, full user details and a simple, easy to understand text description.

Comet Assay IV has been designed and developed with reference to a wide range of regulatory guidelines and when used in conjunction with the **System Access Manager** is fully compliant with Good Laboratory Practice and the **FDA 21 CFR Part 11** final rule on electronic records and electronic signature. The program has been comprehensively tested and validated in accordance with our Quality Management System which is approved to **ISO 9001:2008** incorporating ISO 90003.

Oracle database connectivity *for security of data and flexible data processing*

For those interested in running **Comet Assay IV** in a GLP & FDA compliant environment, **Comet Assay IV** has the ability to connect to an Oracle database for secure storage of all measurement and audit data. With the optional new **Data Extractor** utility, users can browse, group and filter data within the database and export it for use with the **Spreadsheet Generator** macro or any custom or third-party data processing and reporting tools.

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