The Thermo Scientific HCSExplorer offers a new, workflow-focused way to work with your HCS data, from any HCS Reader, anywhere in your organization. Designed to support a typical "day-in-the life" of an HCS scientist, HCSExplorer will boost your productivity with key insights to your HCS experiments.

Thermo Scientific Cellomics HCSExplorer Software

Powerful, multi-user high content data analysis
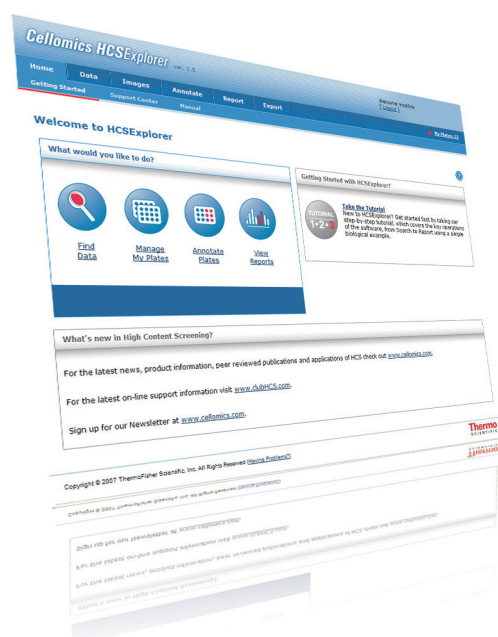
Power To Get Your Job Done

With increasing use of HCS and HCA, more and more researchers need a simple way to analyze and visualize their HCS data.

Designed with the user's daily workflow in mind, Thermo Scientific HCSExplorer delivers a multi-user, easy to use, familiar web-based approach to working with HCS data, from any HCS reader.

IT groups within your organization will appreciate the low administration needs, cross-platform nature (Mac®, PC etc) and centralized, concurrent licensing.

Highlights

HCSExplorer™ has the following key features to support your daily workflow:

- **Search** – find your data using search engine like criteria
- **Browse** –for your data by assay biology and other meta data
- **View** – view images and data linked together, visualize whole plates of images
- **Annotate** – add meta data tags such as plate layouts, compounds and cell types to your HCS data using a powerful user configurable dictionary
- **Report** – generate reports including graphs, heat maps, images and other statistical data
- **Export** – integrate your HCS data with other software or data sources in your organization

Annotation

Annotation with meta data is vital for adding meaning to HCS data as well as integrating HCS data into your discovery workflow. HCSExplorer allows you to:

- Create annotation templates with a simple editor or import from files from popular applications (e.g. ActivityBase®)
- Assign plate annotations to data
- Create and use custom dictionaries for annotations to maintain consistency in meaning of HCS data
- Enter sample data or import from a file

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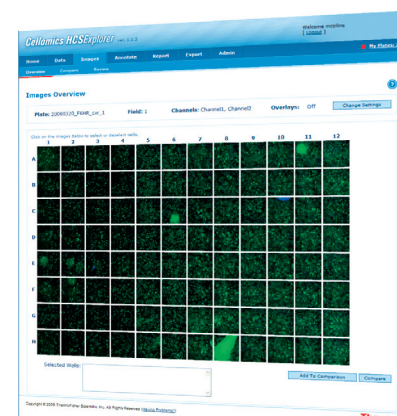
Reports, Exports and Images

- Images can be viewed as whole plates with drill down, or as individual wells and fields, with full control over size, overlays, composite and channels.
- Images can easily be compared and linked to data and reports.
- Powerful one-click and customizable reports allow HCS data to be visualized, saved and shared collaboratively. Heat maps, graphs and images can all be placed on the report. Report templates can be saved for standardization and consistency.
- Dose Response Curve Fitting and calculation of EC_{50} for any or all feature measurements.
- Built in Export formats for popular software such as Spotfire®, Excel® and GeneData Screener® as well as a standard XML export.
- ImageLinks – data that is exported includes a URL web link to access the image from a third party application.
- Easily determine what's the best measurement from your BioApplication using our Z' report.

Technical Specifications

Operating System	Windows 2003 Server sp2 or higher
Cellomics Store	Version 1.4.2 or higher, Oracle® 10g or higher, SQLServer® 2005
HCSApplications Server	Version 1.5.1973.41 or higher
Internet Information Server	Version 6.0 or higher
Export Formats	CSV, TXT, XML, GeneData Screener, ActivityBase, Spotfire
Reports	Z', dose response, multi-plate, plate, well, cell and kinetic reports built in
Multi-user Capabilities	Role-based security, named user login, user's preferences saved.

Ordering Information

Product Name	Catalog Number	Description
HCSExplorer Express Edition	S40-0006-3	Single concurrent user version of HCSExplorer, included with your instrument purchase requires Internet Information Server (IIS).
HCSExplorer Enterprise Edition	S40-0006-1	Enterprise edition of HCSExplorer, requires IIS. Provides 3 concurrent users.
HCSExplorer Single Concurrent License	S40-0006-2	Additional perpetual concurrent user license for HCSExplorer Enterprise Edition. Customer must already own an HCSExplorer license (S40-0006-1).
HCSExplorer Five License multipack	S40-0006-2MP	Multi-pack Five (5) additional perpetual concurrent user licenses for HCSExplorer Enterprise Edition. Customer must already own an HCSExplorer license (S40-0006-1).
HCSExplorer Enterprise Edition Upgrade	S40-0006-4	Upgrades a current HCSExplorer Express Edition to Enterprise.

Cellular Imaging

Americas +1 800 432 4091 • info.cellularimaging@thermofisher.com

Europe +44 118 988 0262 • info.cellularimaging.uk@thermofisher.com

Asia +813 5684 6199 • info.cellularimaging.asia@thermofisher.com

www.thermo.com

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