



# SAMPLE STREAMER

## SOFTWARE PACKAGE

Sample Streamer is a multi-instrument software package that provides a fully automated link between sample information and results for the routine laboratory.



# Sample Streamer

**SAMPLE STREAMER IS A MULTI-INSTRUMENT SOFTWARE PACKAGE THAT PROVIDES A FULLY AUTOMATED LINK BETWEEN SAMPLE INFORMATION AND RESULTS FOR THE ROUTINE LABORATORY.**

It provides the tracking and confidence you need, from samples arriving at the lab to results returned and reported. It can program samples across instruments to improve instrument utilisation, and efficiency.

## Benefits

### 🕒 Save time and eliminate errors

Automated information transfer from LIMS to Sample Streamer avoids repeated manual input and prevents errors.

### 📅 Schedule analyses for any sample on any instrument

Necessary information stays with the sample.

### 🖥️ Single screen control

Monitor the schedule for samples on every instrument on one screen.

### 📊 Optimise productivity

Choose backup instruments or rearrange priorities to manage workload.

### 👁️ Supervise lab activities

Sort, group, and/or filter information to customise the display.

## Automation Eliminates Incorrect Entries

Sample test information (analytical method, instrument, special calculations, if any), is entered into a LIMS (laboratory information management system) and automatically transferred to Sample Streamer through a standardised XML file to be scheduled on the appropriate instrument. A sample is loaded into the autosampler and the process begins. Compass transfers completed test results back to the LIMS system. The sample is always analysed and reported correctly because all of the test information is in the LIMS system. There is no possibility for incorrect entries.

## Works with or without LIMS

Sample Streamer integrates with most LIMS systems. Labs without a LIMS can still benefit from Sample Streamer's multi-instrument sequencing capabilities. Sample information can be directly entered into Sample Streamer, as shown in Figure 1. If your LIMS does not have all of the necessary information, Scion can create a separate custom database to automatically provide the remaining information for sample analysis.

The screenshot shows the Sample Streamer software interface. At the top, there is a menu bar with 'File', 'Edit', 'State', 'Tools', and 'Help'. Below the menu bar is a toolbar with various icons. The main area contains a table with columns: Identification, Operat..., State, Vial Num..., Order, Created Date, Scheduled Date, Task State, and Compass System. The table has three rows of data. The second row is highlighted in orange and has a dropdown menu open over the 'Sample type' column. The dropdown menu options are: Unknown, Blank, Unknown, Standard, Control Sample, and Levelled Control Sample. The 'Method' field is set to 'GennyMETH (GC 436)'. Below the table, there are several icons and a 'Method' dropdown menu.

Identification	Operat...	State	Vial Num...	Order	Created Date	Scheduled Date	Task State	Compass System
ADMIN_2020-08-03T10:35:59	ADMIN	Ended	1	0	18/08/2020 10:31:26	18/08/2020 10:31:26	Finished	GC-436
ADMIN_2020-08-18T10:31:47	ADMIN	Ended by GC436	1	0	18/08/2020 10:31:47	18/08/2020 10:32:02	Not Ready	GC-436
sample_2	ADMIN	Ended	1	0	18/08/2020 10:31:26	18/08/2020 10:32:09	Finished	GC-436

Figure 1 Manually modifying sample information

## Manage Priorities, Maximise Productivity

Manage priorities for all of your samples from a single screen. With one click, you can change the priorities of samples using the Sooner or Later arrow buttons (Figure 2).

Urgent samples can be run ahead of others without interrupting scheduled operations.



Figure 2 Easily prioritise samples

Samples requiring several tests on different instruments can be scheduled in a single operation. The information appropriate to each test is automatically transferred to the correct instrument.

If an instrument is unavailable for analysis you can move samples to a pre-determined backup instrument to optimise workloads. All the necessary information goes with the sample.

## Comprehensive Views

Sample Streamer makes viewing the activities of a large multi-instrument lab easy. Organise sample or instrument information any way you want. Group the display by instrument, sample, status (running, scheduled, ended, etc.) or any other information column (Figure 3).

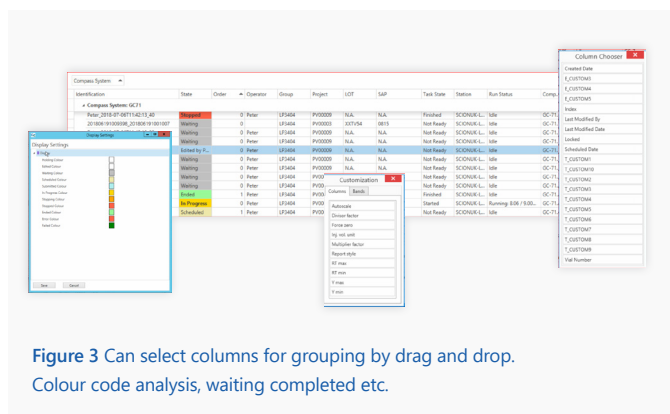


Figure 3 Can select columns for grouping by drag and drop. Colour code analysis, waiting completed etc.

Sort samples in any order or filter samples to only display selected information. For example, view only the analyses currently running or those that are complete. Colour code the status you want to see.

## Automated Results

A single click will open one or more data files directly in Compass for reviewing results or reprocessing the data (Figure 4).

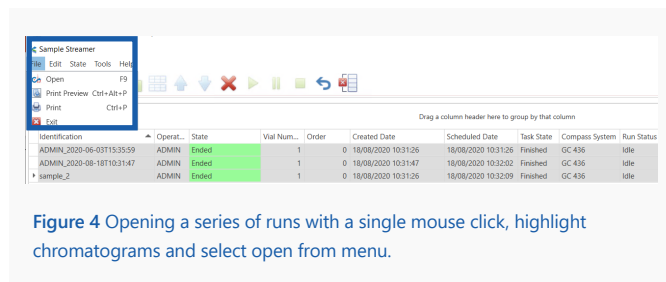
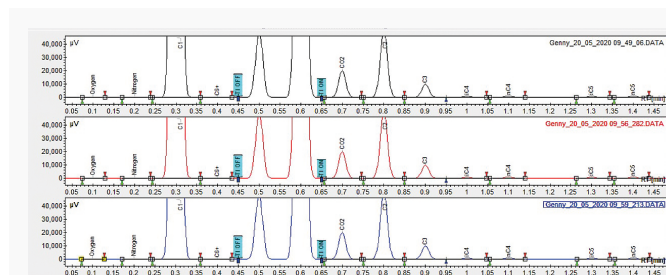


Figure 4 Opening a series of runs with a single mouse click, highlight chromatograms and select open from menu.

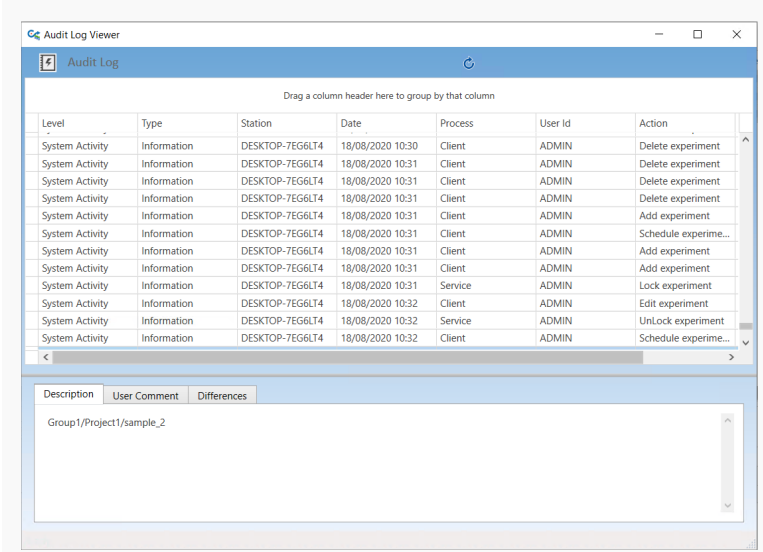
Results are calculated automatically in Compass, generating a file that can be read by the LIMS system. The content and format of this file is fully configurable, and it can be exported to a directory which the LIMS automatically scans for results. You won't have to manually enter sample results into the LIMS. Results can be used immediately to manage your process to its optimum performance.

Sample Streamer puts you one step closer to complete automation of your routine chromatography analysis process. It is compatible with any GC or HPLC instrument supported by the Compass Chromatography Data System and virtually any LIMS available.



## Compliance

Sample streamer can be fully 21CFR11 compliant for controlled environments. With a built in audit log viewer, all actions can be recorded and reviewed.



The screenshot shows the 'Audit Log Viewer' window. At the top, there is a search bar and a refresh icon. Below that is a table with columns: Level, Type, Station, Date, Process, User Id, and Action. The table contains 14 rows of system activity logs. Below the table is a description pane with tabs for 'Description', 'User Comment', and 'Differences'. The 'Description' tab is active, showing the text 'Group 1/Project1/sample\_2'.

Level	Type	Station	Date	Process	User Id	Action
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:30	Client	ADMIN	Delete experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Delete experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Delete experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Delete experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Add experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Schedule experime...
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Add experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Client	ADMIN	Add experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:31	Service	ADMIN	Lock experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:32	Client	ADMIN	Edit experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:32	Service	ADMIN	UnLock experiment
System Activity	Information	DESKTOP-7EG6LT4	18/08/2020 10:32	Client	ADMIN	Schedule experime...

## Customisable

If there are special requirements from samples, LIMS or reporting we have a team of specialists ready to assist you. If you need help with setup and configuration of sample streamer right the way through to specialist software for your laboratory.

## Summary

- Sample streamer allows complete automation
- Automatically stream samples for analysis
- Improved utilisation of instruments
- Less sample administration, LIMS can define all parameters for a sample
- Prioritise samples dependant on urgency
- No need for CompassCDS or SS to be open. Completely background automated.
- Manual override if needed



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