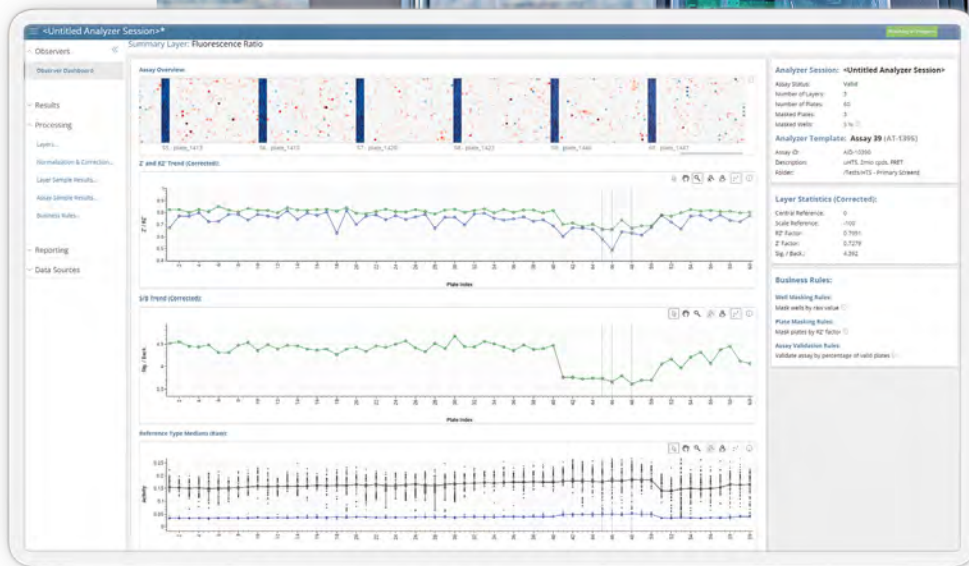


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Digitalization Solutions for the Automated Lab-of-the-Future.



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Digitalization Solutions for the Automated Lab-of-the-Future

In the quest to achieve better, faster, and more cost-effective drug discovery, companies are investing heavily in modern lab automation. However, when it comes to processing the data, scientists often revert to manual processing in spreadsheets, stringing together multiple analysis tools, and storing data in disparate locations. This is inefficient, causes errors, and counteracts the purpose of lab automation.

Digitalization of data workflows is key to avoiding such problems and gaining optimal efficiency. The challenge is to employ the right software to efficiently automate data processes.

Genedata Screener® is the software platform of choice for many top pharma companies as it digitalizes data workflows by enabling autonomous data loading, automated data analysis, real-time monitoring of experiments, and automatic result reporting. The software manages data from all current types of in vitro screening assays and is extensible to new assays.

Genedata Screener Automates Data Capture

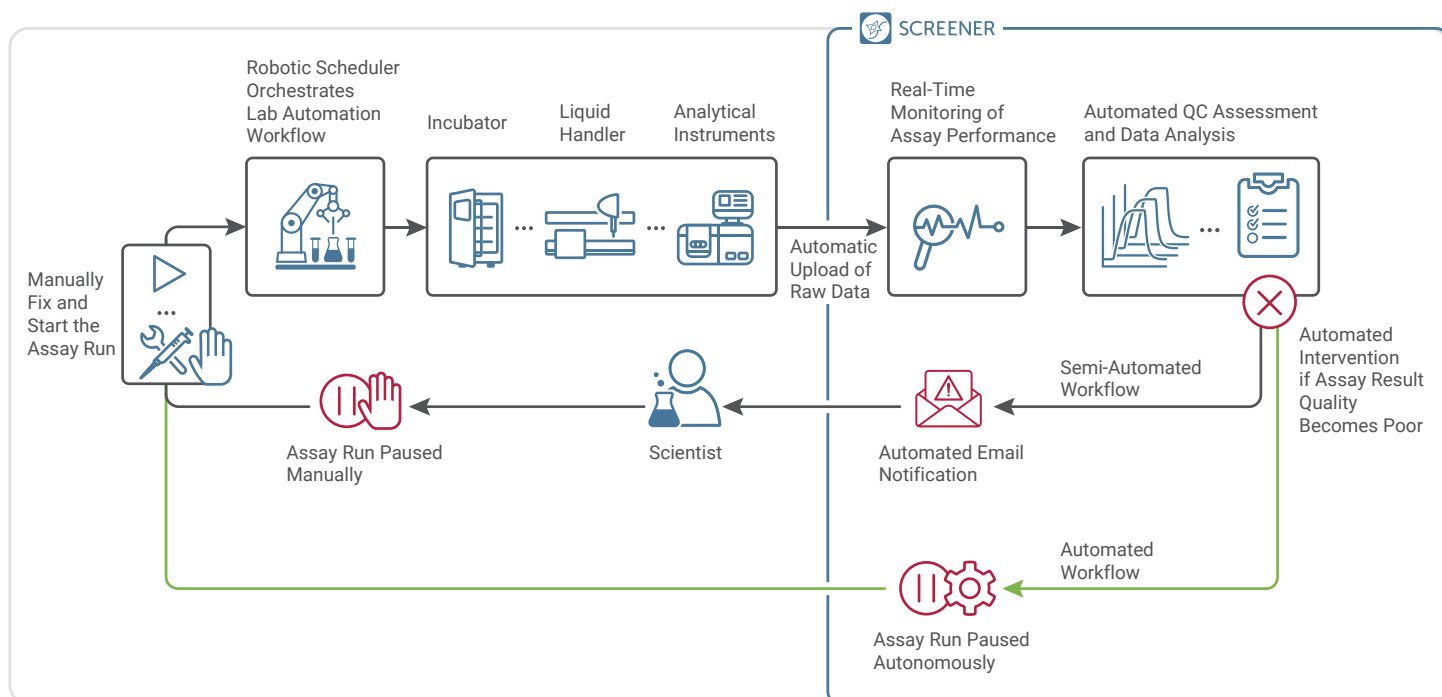
Do you have to manually transfer raw data for analysis?

Genedata Screener seamlessly integrates with your analytical instruments regardless of vendor. The software enables automated, hands-free upload of raw data, upon experiment completion or in real-time, thus preventing human errors and ensuring data integrity.



WATCH THE MOVIE.

With the Genedata Screener Real-Time Extension functionality you can monitor assay performance in real-time and intervene quickly if there is a quality issue.



the FUTURE project

Genedata Screener Automates Data Processing and Analysis

How do you process complex data from information-rich assays consistently and efficiently?

Genedata Screener enables scaling up of even the most complex assays by providing fully automated data analysis and quality control. Thus, it improves speed and efficiency, and at the same time ensures consistency throughout the global organization. In addition, Genedata Screener produces summaries and visualizations of experimental results that are ready to read, interpret, and act upon.

Genedata Screener takes it even one step further and controls processes based on analyzed data sets. It can detect when assay quality turns bad, trigger an email notification to the users, and allow for pausing of the assay run.



CHECK IT OUT.

Genedata in collaboration with Amgen incorporated a novel AI-based workflow to automate and accelerate complex SPR data analysis.



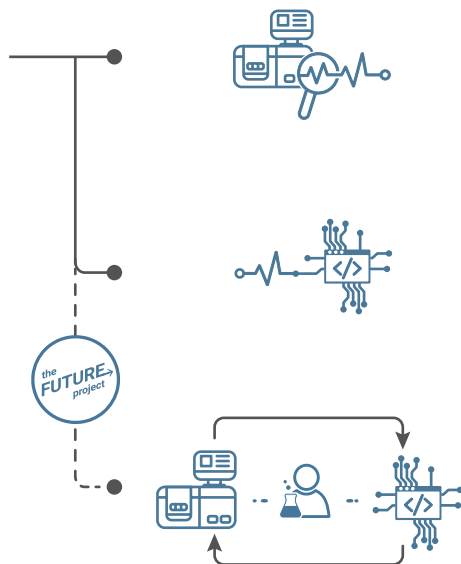
DISCOVER MORE.

Genedata Screener enabled Roche to achieve end-to-end automation – from unattended data upload to the automatic creation of result summaries for review and approval.

Genedata Screener Enables the Automation of Closed-Loop Research Processes

Our ultimate goal is to establish a closed-loop research process, where Genedata Screener proceeds with the next experiment based on previous results and assay metadata. For example, Genedata Screener could automatically trigger an experimental re-run for outlier samples or automatically start the next step in an assay cascade.

In addition, future functionalities such as a central automation dashboard with information on assay parameters, hardware status, experimental conditions, and hit lists would enable scientists to manage a complete screening cascade.



Autonomous Data Capture ✓

Genedata Screener enables hands-free, real-time upload of raw data from a wide range of analytical instruments.

Automated Data Processing and Analysis ✓

Genedata Screener automates the analysis of large sets of raw data and meta-data gathered from the simplest to the most complex biological assays.

Closed-Loop Research Process

The goal is to achieve a closed loop, where Genedata Screener integrates with lab automation hardware, triggering an experimental re-run for outlier samples or automatically starting the next step in an assay cascade.

It's Time to Think
About the Digital
Backbone and
Automating Data
Processes the Way
We Automate Wet
Lab Processes.



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Genedata Screener® is part of the Genedata portfolio of advanced software solutions, which digitalize and automate data-rich and complex biopharma R&D processes. From early discovery all the way to the clinic, Genedata solutions maximize the ROI in R&D expenditure.

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