Benchling for Lab Automation

Benchling

Automate lab instrument runs and data acquisition

With Benchling for Lab Automation, automatically ingest, parse, and append data from liquid handlers, plate readers, and other instruments using powerful APIs and events.

- In-app interface for defining liquid handler operation and processing rules
- Liquid handler instruction generation directly within Notebook entries
- Standardized assay and instrument-specific data capture tables
- Automatic data ingestion, parsing, and appendage of results and entities
- Open source instrument data converters (July 2023)

Simplify instrument runs

Define instrument runs with a single click — specify instructions that include sample data and preconfigured, instrument-specific input parameters to reduce errors and artifacts.

Reduce errors from manual data transfer

Processed run outputs can be automatically pulled into Benchling using APIs upon completion of your instrument runs, with results data automatically synced to predefined, structured data tables.

Retain full data integrity at high-throughput

Registered and inventoried sequence, sample, and reagent volumes are automatically created and updated in lab automation workflows from start to finish.