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

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

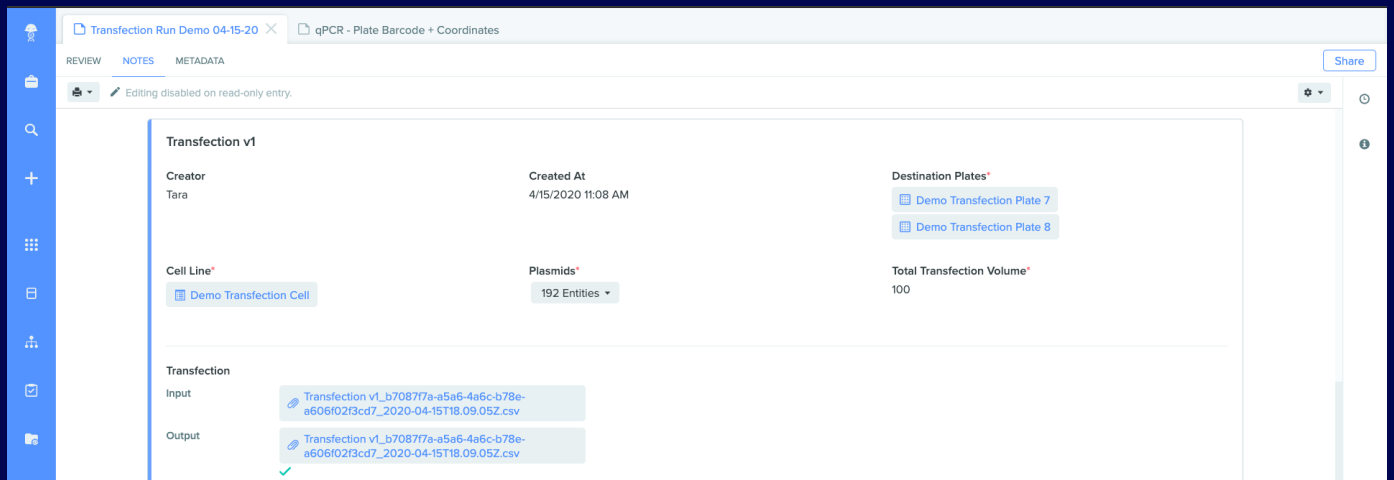
Processed run outputs can be automatically pulled into Benchling using APIs upon completion of your instrument runs, with results data automatically synced to predefined, structured data tables.

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.

Trusted by world class leaders in R&D

GILEAD bp Pfizer REGENERON zoetis



The Benchling Difference

Benchling interlinks and tracks the entire R&D lifecycle — from project documentation and data acquisition to sequence design, sample management, process management, and reporting. By standardizing and centralizing R&D data and workflows on a single platform, Benchling helps forward-thinking companies accelerate their digital lab transformation to enable better, faster decision-making.

Built for Complex Science

Purpose-built to support the development of anything from biologics and biomaterials to strains and small molecules, Benchling interlinks your sequences, samples, and experiment results to ensure full traceability.

Intuitive and Easy to Use

Benchling's modern user interface — with natively interconnected notebook, sample registration, inventory management, and workflow design applications — means your team can work better and faster, together.

Adapts to Your Process

Built on top of a secure, high-performance cloud infrastructure, Benchling supports evolving scientific workflows and integrates with lab instruments and other software systems to help unify your R&D data ecosystem.

Enables Data-Driven Decisions

Centralized, standardized data capture and storage help ensure the integrity of your data, while integrated analytics tools help you derive the insights you need to make better scientific and operational decisions.

Notebook

Ensure documentation completeness and compliance

Molecular Biology

Accelerate DNA and amino acid design, at scale

Registry

Standardize, connect, and contextualize sample data

Inventory

Track and manage every sample and reagent

Workflows

Drive R&D efficiency with orchestrated process management

Insights

Translate R&D data into actionable insights

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