

Studies

Product Sheet

Generate accurate
in vivo study data
as part of your
connected R&D



Benchling

Generate accurate in vivo study data as part of your connected R&D

In vivo studies are an essential component of biopharmaceutical R&D. Effective management of in vivo programs is a key determinant in the ability to bring new products to market faster. Biopharmaceutical companies require an efficient way to collect data from their in vivo studies following strict protocols, as well as a way to ensure collaboration and data accessibility across R&D teams.



Studies provides biopharmaceutical companies with a modern software solution for in vivo study management. For in vivo R&D teams that have had to rely on disconnected spreadsheets, email, and point solutions, Studies offers a cloud-native alternative that brings in vivo study data onto a centralized informatics platform. As part of the Benchling R&D Cloud, this solution helps biopharmaceutical companies connect their in vivo data and workflows to the rest of their R&D teams to advance new drugs into the clinic.

Manage in vivo studies with modern software designed for data capture, collaboration, and insights

Accelerate in vivo study startup

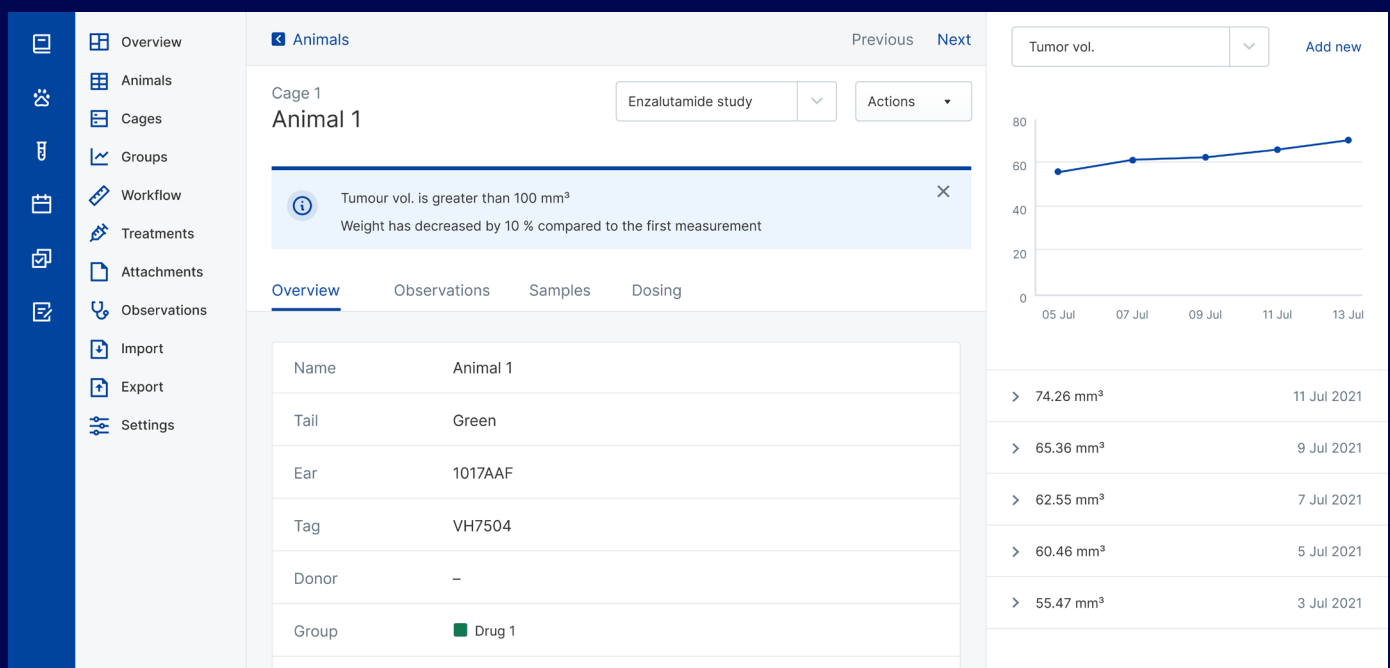
Quickly establish repeatable study designs with an intuitive user interface. Use randomization algorithms with multi-parameter exclusion to eliminate bias in animal selection.

Capture accurate, intelligent in-life study data

Automate repetitive tasks and reduce transcription errors with USB/Bluetooth instrument integrations. Stay on top of your studies with task templates, alerts, real-time graphs, and survival plots.

Drive collaboration across teams in the Benchling R&D Cloud

Coordinate sample transfers and registration for bioanalysis. Build complete data sets combining in vitro and in vivo data in the Benchling R&D Cloud.



Save time and improve accuracy with an enterprise-ready in vivo solution

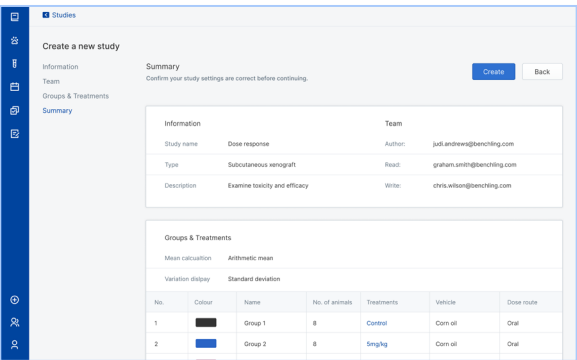
Study startup

Align to your lab's terminology with a configurable glossary.

Define the data structure of your study with reusable measurement presets.

Apply reusable task templates to save time and ensure consistency across studies.

Eliminate bias with multi-parameter randomization of animals into your study.



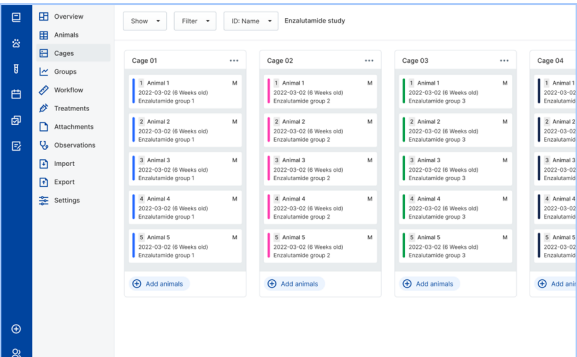
Animal and cage management

Print configurable cage cards for compliance and easy identification.

Track profiles of all study animals with measurements, samples, observations, alerts and more.

Use tasks and alerts to stay aligned with daily routines and study milestones.

Assign configurable alert thresholds for body weight loss or experimental endpoints, ensuring any potential animal welfare issues are identified at the earliest opportunity.



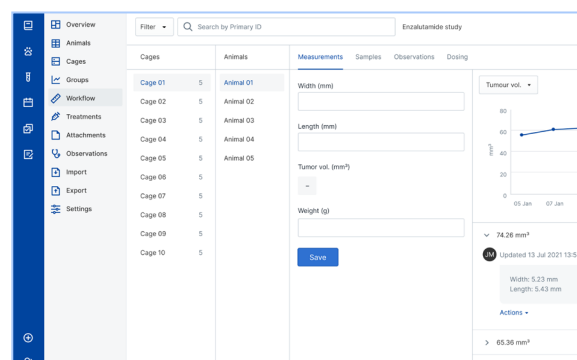
In vivo study data collection

Integrates and connects easily with balances, calipers, and RFID readers, thus minimizing transcription errors.

Automate sample ID assignment, enter configurable sample metrics, and visualize this information in a team-wide database.

Use out of the box models for clinical observations, configure score sheets and severity scores specific to your team and study.

Automatically generate graphs and survival plots as measurements are taken to stay on top of study management.



Centralized repository for in vivo study data

Access current and historical study data from a centralized study database.

Store study documentation across the team with embedded file management.

Easily import/export data with secure file-based transfer (XLSX, CSV), API, or export to GraphPad Prism (PZFX).

Control access to studies with granular user permissions.



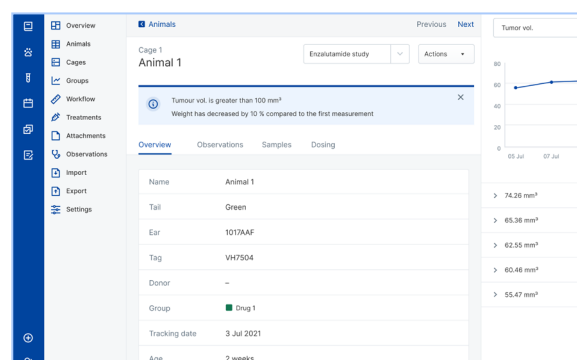
Connect in vivo data and samples to aligned R&D teams

Leverage pre-built integration between Studies and the Benchling R&D Cloud.

Transfer biospecimen samples, animals, and groups into Registry, with links back to Studies for full traceability.

Process bioanalytical workflows for downstream assays, transfers, and experiments.

Visualize and analyze in vivo results in Insights.



“Studies is a fantastic, high quality tool for managing in vivo experiments in the vivarium. The ways Studies allows me to customize a study significantly improves workflows.”

Quinn Walker
Senior Research Associate



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.

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.

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.

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



Benchling for Lab Automation

Automate instrument orchestration and data acquisition



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Capture in vivo study data, connected to your R&D

Learn how Benchling can accelerate the pace of your R&D innovation.
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