

Data Sheet



Benchling Validated Cloud

Accelerating
Product
Development for
Life Sciences



Benchling

Accelerating Product Development for Life Sciences

As life science companies advance their products through the R&D lifecycle, the focus gradually moves from hypothesis-driven research and screening to more controlled, methodical development. The development phases often require a more structured approach to data capture, and fall under the scope of regulatory compliance and validation. Often this drives companies to use disparate IT solutions, making it increasingly difficult for Research and Development teams to collaborate across phases. These challenges slow down how breakthrough science gets to market.

Benchling Validated Cloud makes it possible for Research and Development teams to operate from a unified, validated informatics solution. Research teams can leverage Benchling's widely adopted applications for molecular design, registration, and experimentation. Development teams can advance programs using the same solution, although within a secure, compliant, trusted environment that can withstand the rigors of regulatory validation.



With Benchling Validated Cloud, R&D organizations benefit from:

Improved tech transfer between Research and Development phases

Established and maintained validation requirements, compliance, and quality

Faster assembly of data packages for regulatory filings

Dedicated tenant for validated applications

Greater control and compliance without an impact to work done in non-validated tenant environment

Controlled, quarterly product release cycles

Application controls to ensure user compliance

Electronic signature control on all entries, with records becoming locked and noneditable upon signature per 21 CFR Part 11 (U.S.) and Annex 11 (E.U.) regulations

Complete audit trail with strict versioning of all edits and visible timestamps

Controlled user access to track and trace engagement and changes

Validation process support

Quarterly validation packages that detail the changes and potential impacts

Validation Plan and Impact Assessment to help determine the risk level of changes to use of Benchling

Supporting documents to facilitate validation process (IQ, OQ, PQ, UAT)

The screenshot displays the Benchling Validated Cloud interface. On the left, a sidebar contains navigation icons. The main content area is split into two panels. The left panel shows the 'CHO Registry' entry with metadata including authors (Johan Sunryd), project location (Chemical Screen), registry IDs (CL007), and creation date (11/24/2020 10:57 AM). Below this is a 'Schema' section for 'Cell Line' and a table of fields and values.

FIELD	VALUE
Name	CHO
Species	Chinese hamster
Tissue	Ovary
Source	ATCC
Lot Number	CHO-48957
QC review	Yes

The right panel shows the 'Cell Line' dashboard with a 'Chemical Luciferase Screen with CHO Cells' graph. The graph plots 'Measured Fluorescence' (0 to 35000) against 'Concentration, uM' (0 to 100). Four data series are shown: CO1000733 - 2020-09-15 (blue), CO1000733 - 2020-09-09 (red), CO1000133 - 2020-10-01 (orange), and CO1000133 - 2020-11-24 (green). Below the graph is a 'CHO Cell Line Inventory' table.

	Cryovial	Cell Line	Cells/mL	Box	Shelf	Freezer
1	CV008	CHO	4000000	CV Box 1	Shelf 1	-80 C Freezer A
2	CV011	CHO	3200000	CV Box 1	Shelf 1	-80 C Freezer A

“We are always looking to improve our efficiency and grow. Our research teams have been using Benchling for years, seen impressive results, and are particularly reliant on the solution’s powerful collaboration capabilities. With Benchling Validated Cloud, we can now also meet regulatory compliance requirements and operate within the constraints of our rigid LIMS system. Having one R&D data management solution allows us to carry forward insights and workflows into the more structured and controlled development processes, giving us a real competitive advantage.”



Nermin Avdispahic
Quality Control Manager



A unified application suite to connect R&D phases

Benchling Validated Cloud supports common lab operations with controlled, compliant applications for:



Experimental design and methods



Sample and reagent management



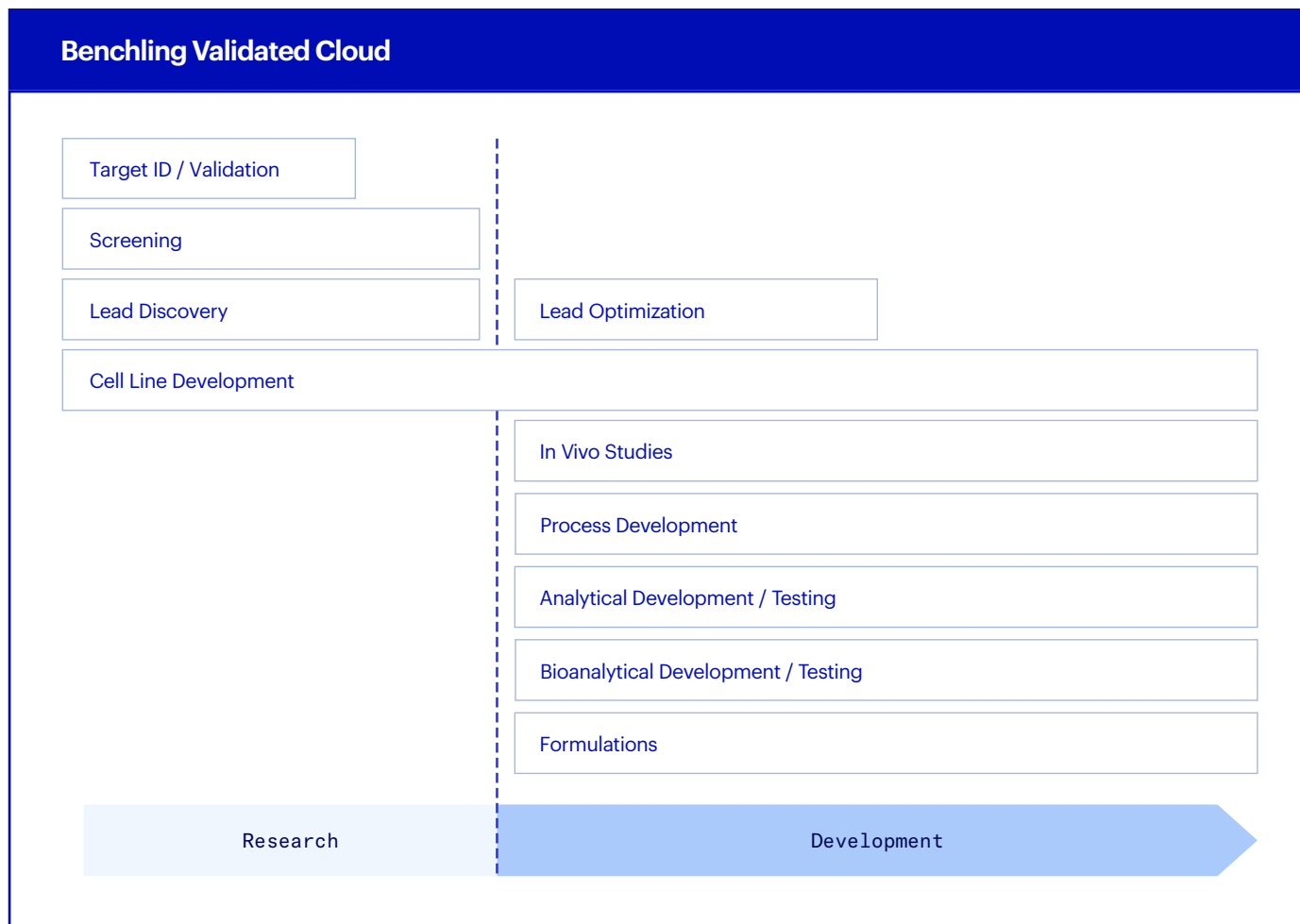
Data collection and results capture



Team collaboration and review



Data analytics and analysis



Helping customers with the validation lifecycle

Benchling Professional Services

provides full-service implementation support for Benchling solutions, and can also be leveraged with accredited third-party consulting firms. Every implementation consists of detailed project plans led by dedicated project teams staffed by experienced and knowledgeable Customer Experience professionals that can be consulted on software validation, Performance Qualifications, and User Acceptance Testing.

Benchling Managed Services

offers ongoing services to Benchling customers to support quarterly release management, staff augmentation, and other functions related to Benchling implementations.

Traceability, accountability, and data integrity

Benchling is committed to maintaining the highest standards for validation, compliance, and security. Benchling's controls, infrastructure, and processes ensure the product meets and exceeds applicable statutory and regulatory requirements. Benchling Validated Cloud is ISO 27001 certified for security compliance and aligned with ISO 9001 QMS guidance.