

MODERNIZING IN VIVO STUDY MANAGEMENT

Improve Data Quality with Climb™



The rapidly accelerating and increasingly complex nature of discovery research requires urgent changes to the ways *in vivo* workflows are managed. Consider for a moment the inefficiencies that result when processes are managed through spreadsheets, emails, paper notes, or legacy systems. Those outdated practices have been shown to lead to high costs, poor reproducibility, and subpar data quality.

The implications are staggering when one considers what's at stake. It is estimated that about \$56.4 billion is spent on preclinical research, with a substantial amount of it allocated to studies involving animals. When compared with the broader development life cycle, which uses automated and data-rich methods, animal research has a long way to go to bring that same innovation into early-stage research.

Without a commercial best-of-breed solution that can accommodate any level of complexity as well as the wide variety of different types of *in vivo* studies, research teams are left to manage their studies through manual processes and methods.

Isn't it time to modernize?
Manage *in vivo* research with Climb™ from RockStep Solutions.





Climb: Purpose-Built for the In Vivo Lab

A proven, cloud-native software solution, Climb supports biopharmaceutical companies and contract research organizations in their efforts to manage and streamline *in vivo* workflows and collaborate efficiently. Climb aggregates robust, high-quality data based on such factors as animal health status, adverse events, and animal colony information from the vivarium.

A BEST-OF-BREED SOLUTION, Climb has been built from the ground up based on the unique challenges of the *in vivo* lab and the need to manage study workflows, monitor animal health, and manage the animals in the vivarium – all through one flexible solution.

DEVELOPED BY SCIENTISTS FOR SCIENTISTS, Climb's proprietary *in vivo* data model centralizes data for reporting, audit trails, and compliance requirements. The software aligns with ethical standards and promotes the welfare of animals used in research.

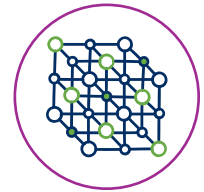


Why Climb?

With Climb, seamlessly manage *in vivo* studies, animal health, and animal colonies in the vivarium through a single, secure solution that can accommodate any study type or level of complexity.

Ready for Complex Studies

Accommodates all study designs—from simple to highly complex—by providing the flexibility to adapt to all research needs and requirements. Scientists no longer need spreadsheets to run any study! This feature manages highly complex studies out of the box—without customization and while maintaining high configurability to company-specific processes and taxonomies.



Dynamic Scheduling to Facilitate Workflows

Granular resourcing and scheduling options enable users to dynamically schedule tasks down to the minute, date, and individual. That ability enhances efficiency by optimizing task allocation based on individual skills and expertise.



Future-proof Data

Efficiently, reliably, and securely manages the staggering amount of *in vivo* data in early-stage research so that all data can be analyzed, modeled, repurposed, and used for clinical studies. Scientists can now adapt to and keep in step with future technological advancements, with changing user needs and evolving industry trends.



Connected R&D

Climb is capable of integrating with complementary software and hardware lab systems—such as electronic lab notebooks and laboratory information management systems, as well as animal management solutions such as QR codes and animal tracking—for connected workflows so that *in vivo* and informatics data is connected seamlessly.



Modernizing Research with Climb



STUDY MANAGEMENT

From study start-up to ongoing study management, to study termination, Climb delivers real-time task and resource scheduling. Users can leverage templates, assignments, and alerts out of the box or flexibly tailor the workflows to an organization's processes.

Supports complex randomization requirements to facilitate the precise selection of animals into cohorts based on multiple characteristics ensuring robust and unbiased study outcomes.

Enables users to incorporate nonoperational tasks such as animal welfare reminders into study designs.

Enables users to dynamically schedule tasks down to the minute, date, and individual, optimizing task allocation.

Assigns team members either individually or in bulk based on their calendar availability.

Accelerates setup of complex studies with flexibility to assign animals and cohorts.

Easily allows for changes to active or finalized studies.



ANIMAL HEALTH MANAGEMENT

By closely monitoring and managing animals' health statuses, researchers can detect and immediately mitigate any adverse effects or confounding variables that could negatively affect study outcomes. Additionally, maintaining optimal animal health promotes more-consistent and reproducible research results, enhances the welfare of research animals, and upholds ethical standards in scientific experimentation.

Monitors adverse events and health conditions of research animals.

Supports continual, real-time clinical observations and remotely notifies veterinary staff of symptoms for urgent cases.

Ensures compliance with requirements of the Institutional Animal Care and Use Committee (IACUS) and European Union reporting.

Assists with animal welfare reporting.

Enables husbandry team to detect health issues for immediate intervention.



VIVARIUM MANAGEMENT

Effective vivarium management practices include robust animal tracking, colony management, and sanitation protocols to prevent disease transmission, ensure accurate data collection, and support the ethical use of research animals. Climb support includes:

Tracks cages.

Displays necessary housing information via cage cards.

Tracks breeding, including monitoring of productivity and management of reproduction.

Records receiving animals into the vivarium.

Integrates with scanners so Climb can record census.

Facilitates vivarium logistical management (staffing and assignments).

Creates reports for IACUC protocols and global equivalents.



DATA MANAGEMENT

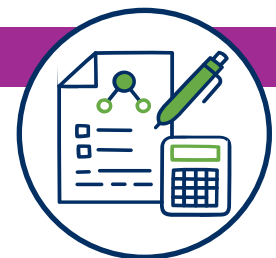
Researchers can easily access, track, and organize data—including experimental protocols, study parameters, animal information, dosing schedules, and experimental results—within the context of broader laboratory workflows.

Integrates with common lab equipment, hardware, and other software solutions via the REST API, enabling seamless accurate transfer of data.

Aggregates and harmonizes data for easy analysis and visualization. Data is clean and ready for downstream artificial-intelligence, machine-learning, and pattern recognition programs.

Supports reporting, audit trails, and compliance requirements.

Enables real-time strategic decision-making with visibility into study trends both on demand and in real time.



“Climb is a great product and we were able to get the most out of it with a great partner who we trusted. The collaboration with the RockStep team has been invaluable every step of the way. They configure Climb to meet our specific needs.”

—Jason Davis, Product Owner Director, Charles River Laboratories



About RockStep Solutions

RockStep Solutions is modernizing *in vivo* research. Our Climb solution is central to digitalization strategies aimed at improving *in vivo* laboratory efficiency and quality while providing well structured data for downstream AI algorithms. From the largest global biopharma companies to midsize firms and from emerging start-ups to global CROs, RockStep Solutions' Climb accelerates *in vivo* research programs regardless of study type or complexity.

Learn how RockStep Solutions keeps your lab on pace with the speed of innovation.

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