



LIFE SCIENCES **ONE LAB**

Optimize your laboratories and leverage knowledge
to improve time-to-market



INTEGRATE AND STANDARDIZE LAB DATA, RESOURCES, AND PROCESSES TO IMPROVE OPERATIONAL EXCELLENCE, COLLABORATION, AND TIME-TO-MARKET

Today's Life Sciences industry is facing major challenges like patent expirations and low R&D productivity, increasing global competition and decreasing margins, non-optimized processes and compliance burdens. These issues create cost pressures, little room for innovation, and long cycle times. Laboratory space (including research, development, and quality) contributes to these concerns when timely access to information is hindered, and data and the context are locked in silos when decisions are needed. Uncertain quality of information creates risks for critical business decisions that rely on scientific data aggregated from multiple sources, but lacks controls to ensure integrity and quality.

Time and effort for testing and documentation are high due to disrupted processes, which delays research, product development, and the release of finished products, and increases cost. The Dassault Systèmes **ONE Lab** Industry Solution Experience integrates people, resources, processes, and data for improved efficiency and collaboration. In addition, these consolidated information and processes reduce regulatory risks and help enable faster time-to-market.

Key Benefits:

- Design, develop, characterize, and release therapeutics more effectively at reduced costs with data-driven processes
- Catalog knowledge of systems and their interactions with possible therapeutic agents to ensure rapid decision making and project advancement
- Improve collaboration, innovation, and decision making through easier exchange of more consistent data and information
- Increase "Right First Time" through standardization and improved compliance with procedures and policies supporting Quality and Regulatory initiatives

A SINGLE SOLUTION FOR A UNIFIED LABORATORY

Dassault Systèmes **ONE Lab*** Industry Solution Experience provides a standard foundation for the understanding and use of laboratory equipment, materials, and procedure steps, as well as a unified role-based user experience for the lab. Pipelining and automating the transfer of all data generated in the lab is based on a single foundation, enabling integration of business and scientific processes. **ONE Lab** directly links data generated and their context, ensuring consistent interpretations and collaboration; and **ONE Lab** can provide knowledge to any models and enable predictions of future outcomes.

Standardized Solution

ONE Lab provides a standardized approach for all laboratory processes, including managing procedures, recipes, and resources, and the execution of lab workflows and tasks. It also leverages open communication protocols for importing and exporting data and information between BIOVIA® applications and third-party applications, which provides streamlined and more efficient laboratory workflows, harmonization, and standardization of information, and a fully integrated and automated easy-to-deploy process.

Role-based User Experiences

ONE Lab provides user experiences that are dedicated to specific laboratory processes including all capabilities for supporting a seamless and efficient workflow. Research, Development, and Quality scientists will experience the efficiency and quality benefits of a dedicated, integrated solution with unique capabilities specific to their domains.

One Foundation

Basic lab processes like resource lifecycle (people, instruments, materials) or data lifecycle (recipes, methods, documents, models) are based on a common foundation, which ensures the integrated management and scheduling of people, equipment, and data, as well as the integrated execution of procedures, experiments, and tests. **ONE Lab** works as an integration hub for BIOVIA applications, as well as third-party systems and instruments. This builds seamless data transfer between different domains from Research to Manufacturing, as well as with external collaborators.

Scientifically relevant and standardized applications and views embed the necessary compliance and business alignments, which supports technology transfer while reducing decision risk. **ONE Lab** delivers a standard understanding and usage of laboratory equipment, materials, and procedures, as well as a unified role-based user experience for the lab. It reduces redundant work and provides faster insight to achieve the desired outcome. And **ONE Lab** enables better understanding of the processes and data, providing knowledge to be used empirically or to build and refine models that can be used for future laboratory experimentation and testing. Uniform and complete adherence to scientifically developed processes is necessary for transitions from Research to Development and then to Commercialization. Integrating laboratory capabilities and applications through a laboratory-aware foundation improves operational excellence, supports collaboration, and helps shorten time-to-market.

To learn more about the **ONE Lab** Industry Solution Experience provided by Dassault Systèmes, visit: www.3ds.com/one-lab.

* **ONE Lab** is an Industry Solution Experience available from the app(s) represented on the 3DEXPERIENCE platform: BIOVIA

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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