

PERFECT DEVELOPMENT LAB INDUSTRY PROCESS EXPERIENCE

DATASHEET

Speed up the pace of innovation, get products to market faster and with lower R&D costs by connecting the lab using BIOVIA's Perfect Development Lab Industry Process Experience.

DEVELOP NEW FORMULATIONS QUICKLY AND EFFICIENTLY

BIOVIA's Perfect Development Lab Industry Process Experience delivers comprehensive tools designed to create sustainable innovation in formulation development labs while reducing costs, diminishing risk and accelerating the pace of new product development.

CHALLENGES IN CPG FORMULATION DEVELOPMENT

The Consumer Packaged Goods (CPG) Industry is fiercely competitive, as it relies on continuous product innovation to introduce successful new products, drive business growth and reduce competitive risk. However, product innovation can be slowed due to inefficiencies in managing your laboratory workflow, especially repeated non-value add experiments, disjointed inventory management, and siloed data. All of these problems are exacerbated by paper-based systems and disconnected legacy software.

For a CPG company to succeed, they need to constantly bring new products to market. This process must run continuously while maximizing efficiency. Innovators in the CPG space tell us that the value of a fast and effective "innovation engine," an R&D process which by design churns out disruptive products, has never been higher. However, despite the abundance of technology available to support scientific innovation, only a quarter of R&D projects ever result in products that reach the market, and even fewer of these are considered disruptive.

The creation of this "innovation engine" starts with taming the stream of data coming from your lab. BIOVIA's integrated digital solutions can capture this data to drive sustainable innovation by enabling searching and sharing of past experiments, automating materials management, and fostering collaboration across your own organization. They can bridge the gap between the lab and Environmental Health & Safety (EHS) organizations, ensuring safe chemical management across the enterprise. Our approach simplifies the work for the scientist at the bench by allowing access to materials as part of planning and executing experiments, tests or procedures across the lab-to-plant value chain. This ensures compliance while reducing the risk of lab safety issues.

The BIOVIA Perfect Development Lab Industry Process Experience enables companies to boost lab productivity, reducing cost, diminishing risk, and accelerating the pace of new product development by improving lab efficiency and collaboration.

KEY Benefits of the BIOVIA Perfect Development Lab Industry Process Experience

Speed Up the pace of innovation by:

- Taking paper out of the lab with digital recordkeeping and enabling the search of past experiments
- Streamlining the process of finding new ingredients and materials for formulation testing
- Efficiently tracking materials receipt, storage and disposal
- Minimizing compliance and safety issues with fast, easy-to-use chemical inventory management systems
- Reducing wasted time and effort by making all information available from the desktop or bench top
- Ensuring fast, easy deployment and maintenance with web-enabled SaaS solutions

MOVE YOUR LAB TO DIGITAL SOLUTIONS – TAKE THE PAPER OUT OF THE LAB

By moving away from antiquated paper lab notebooks to integrated digitized records, your lab will see productivity gains through easier, more efficient access to old experiment data and other important information.

- Collaborate instantly and provide instant access to in-progress experiments, background information, past work on the project, as well as competitive insights and research literature – at any time and from any location
- Save valuable lab time by replacing paper lab notebooks and logbooks while eliminating manual procedures
- Protect your findings – Digital signatures, experiment templates and workflow alerts ensure maximum IP protection
- Increase productivity and reduce wasted time repeating past experiments: Search, share and reuse information with instant access to previous notebook entries
- Get your lab up and running quickly – Easy-to-use solutions with intuitive user interface reduce barriers for new users to adopt and accelerate expansion of use in the lab

STREAMLINED MATERIALS MANAGEMENT FROM YOUR DESKTOP

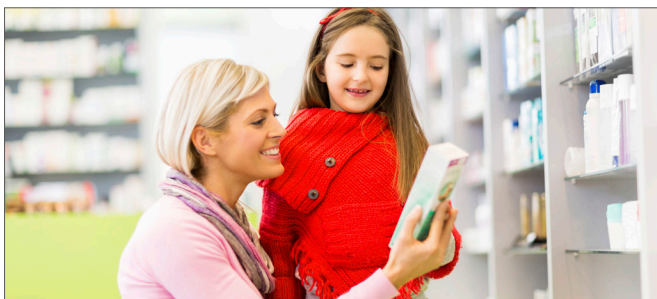
Efficient, streamlined materials management reduces wasted time finding the right materials for formulation testing. From your electronic lab workspace, find and request the materials needed for further experimentation. Source chemicals in research and bulk quantities. Track the location of the materials throughout their testing life from receipt through safe disposal.

- Run fast searches for needed ingredients
- Identify and locate commercial sources of chemicals
- Make side-by-side comparisons of purity and quantity
- Save time by accessing information from a single source
- Get current, real-time material safety and inventory data available on-demand
- Leverage materials searching and tracking from your workspace with complete digitization through barcode labeling and remote inventory control
- Ensure on-demand communication and reporting of hazard and regulatory compliance, safety and compliance inspection reporting

IMPROVE LAB SAFETY AND DECREASE RISK WITH EFFECTIVE CHEMICAL INVENTORY MANAGEMENT

Drive regulatory compliance and risk mitigation strategies by bridging the gap between the lab and Environmental Health & Safety. Chemical inventory management system enables safe chemical handling, storage and management, accurate chemical tracking and reporting in compliance with Local, Federal and international EH&S regulations.

- Integrated Safety Data Sheets (SDS) management
- Comparison of chemicals and chemical inventory with defined hazard and regulatory criteria
- On-demand communication and reporting of hazard and regulatory compliance
- Country-specific safety and compliance inspection planning, management and reporting



MAKE DATA RELEVANT – ONE INTEGRATED SYSTEM FOR YOUR TESTING NEEDS

As your needs grow, so do the capabilities you need for the optimized lab. Reduce the need for physical testing and save time. Request, prepare, test, report and re-use data all from your workspace. Access the dark data that hides in corners of your global labs and on peoples' hard drives.

- End-to-end traceability
- Ability to reuse data in decision making
- Better compliance: improved audit scores
- Greater efficiency: simplified workflows, reduced process variations

THE BIOVIA'S PERFECT DEVELOPMENT LAB INDUSTRY PROCESS EXPERIENCE

The BIOVIA's Perfect Development Lab Industry Process Experience is a suite of capabilities supported by a common platform, designed to streamline formulation development, thus creating process efficiencies, reducing risk, and saving time and costs.

Capabilities	Benefits
Optimize CPG research processes	Bring new products to market faster
Centralize data in digital solutions	Streamline workflows, remove barriers to innovation
Share data in a secure environment	Role-based permissions define access; IP is protected and secure
Access past formulation experiment data	Eliminate repeat experiments; enable rapid searches to locate viable theories
Centralize materials management	Ensures compliance and reduces risk
On-premise or on-demand SaaS versions	Choose the configuration that matches your needs and your budget

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

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

