Arxspan Suite

- Streamline Your Collaborative Research Workflow with the Arxspan Suite of Products

Software

Innovation with Integrity

Arxspan Offers A Line Of Cloud-Based Products For Management Of Research Data.

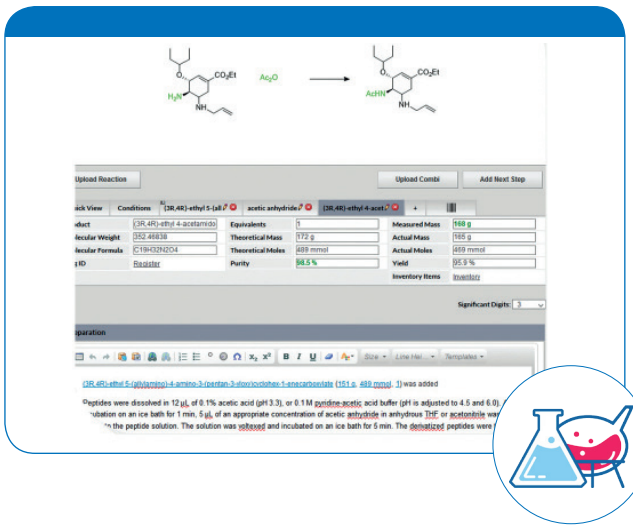
The Notebook product is a web-based Electronic Laboratory Notebook (ELN) solution built to serve as an authoritative repository for Chemistry and Biology data, optimized for the collaborative research models ubiquitous in today's commercial and academic research environments. It is highly effective at allowing organizations to collaborate and securely share research information with outside industrial partners, academic collaborators, and CROs. The system can deploy in one business day, includes experiment signing/witnessing capability and audit trails, is 21 CFR Part 11 compliant, and offers robust functionality to support chemistry and biology workflows.

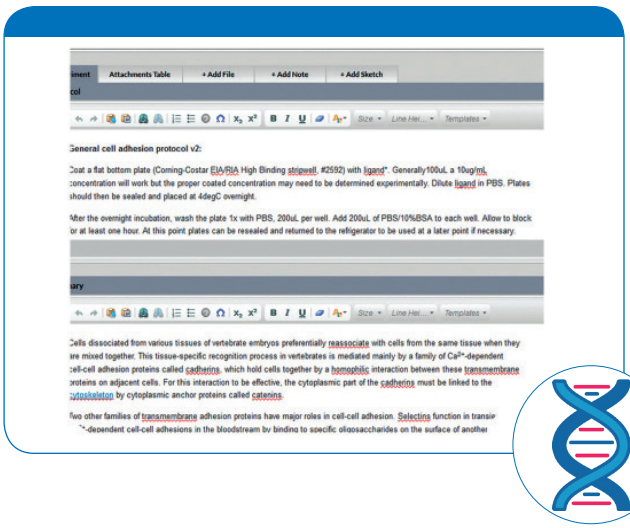
Chemistry

- Compatible with PerkinElmer ChemDraw® for drawing and representation of chemical structures and reactions
- Integrated ChemAxon chemical intelligence underlying reactants and products in stoichiometry tables Chemical searching, parallel synthesis, defined vocabulary lists, CAS number lookups, compound tracking, reaction next-step functionality, and regulatory checks available

Biology

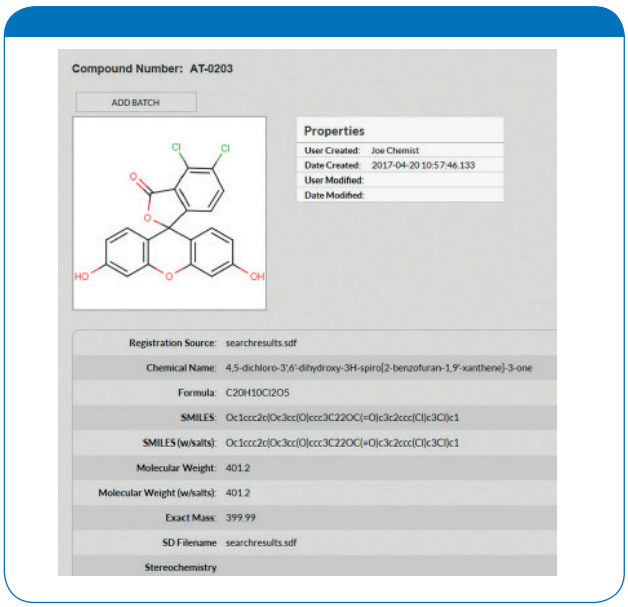
- Ability to attach files of any type: Microsoft Office, PDF, image, analytical, and instrument files
- Push-button PDF rendering of experiments for generation of comprehensive experiment reports
- Notes and comments can be added to experiments, images can be annotated, and common protocols can be templated for quick population of free text boxes in biology experiments





Arxspan Registration

The Arxspan Registration modules are a web-based solutionbuilt to serve as an authoritative repositoryfor unique chemical and biologicalentities. The system handles cases ofuniqueness (identity) criteria, mixtures, and cross-referencing, all within a single system that offers unified search across all entities, including chemically intelligent searching for structures. PerkinElmer ChemDraw® is integrated for chemical drawing, and ChemAxon chemical intelligence functionality enables chemical search, property calculations, and full support for salts, mixtures, formulations, tatomers, and isomers.

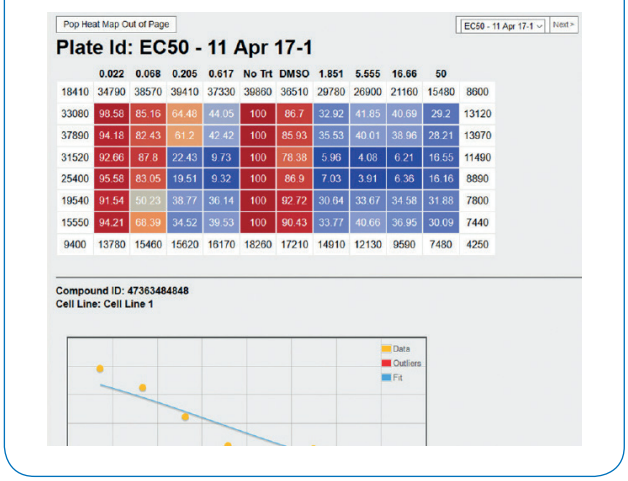


Key Features

- User customizable fields and unlimited object types
- User definable uniqueness criteria
- Customizable entity andbatch numbering

Arxspan Assay

Arxspan Assay is a web-based software tool set that can define, collect, manage, and store assay endpoint data—ideal for assay development functions as well as LTS and HTS screening programs. It provides study coordinators an integrated view of study activity and centrally manages data across multiple research groups and facilities.Users can specify required and optional parameters, data types, allowed ranges, and more. Arxspan Assay can perform automated calculation of raw data values,generate curves and heat maps, and allow for point knockouts for curves.

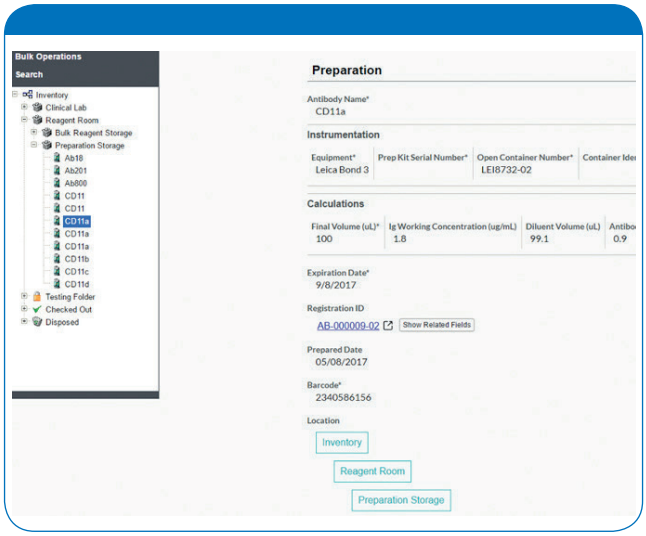


Key Features

- Intuitive user-defined assay definitions, plate formats, and upload templates
- Compatible with user-preferred
- data analysis tools such as XLfit® or
- GraphPad Prism
- Secure endpoint data repository and
- search platform

Arxspan Inventory

Arxspan Inventory is a web-based application for defining and managing inventory items such as proprietary compounds, commercial reagents, samples, consumables, equipment, or animals. Common operations include tracking of receiving, container history, usage levels by user, container location, material check-in/ check-out, plate management, and audit trail. User-defined location hierarchy displays exact locations of stored materials within a building, laboratory, bench-top, freezer, etc. Users can configure container type and storage locations and search by any field, or by chemical structure.



Key Features

- Support for bar code scanners/ readers and printers
- Audit trail for tracking materials from receipt to disposal
- CAS number lookups for chemical structures

Arxspan Search

Arxspan Search is a decision support tool enabling querying, visualizing, and reporting of data from the Arxspan Notebook, Registration, Assay, and Inventory modules. It allows users to perform realtime searching and sorting of compound, material, assay, and inventory data, and to customize the layout of these results. Users can save search/ filter parameters,perform basic mathematical calculations, visualize chemical structures, create customizable graphs, generate 2D plotting, perform structure-activity relationshipanalyses, export tables to Microsoft Excel, and more.

Key Features

- Integration across all Arxspan datasets and external data repositories
- Visualization of structured and unstructured data of any type
- Streamlined searching, managing, and reporting of information

	Notebook	Reg	Assay	Inventory	Search
	Electronic Laboratory Notebook	Materials Registration	Assay Data Management	Inventory Management	Search and Decision Support
Cloud-Based Deployment	✓	✓	✓	✓	✓
Browser Interface	✓	✓	✓	✓	✓
No Additional Software Required	✓	✓	✓	✓	✓
Enterprise Capability	✓	✓	✓	✓	✓
Biology and Chemistry Compatible	✓	✓	✓	✓	✓
Project & Work Request Management	✓	✓	✓	✓	✓
Configurable Hierarchies and Templates	✓	✓	✓	✓	✓
Real-Time Queries	✓	✓	✓	✓	✓
Chemical Search	✓	✓	✓	✓	✓
Text Search	✓	✓	✓	✓	✓
Customizable Forms/Views	✓	✓	✓	✓	✓
In-Vivo Assays Workflows	✓	✓	✓	✓	✓
Bulk Import	✓	✓	✓	✓	
Bar Code Scanning Support	✓	✓	✓	✓	
Attach Files of All Types	✓	✓	✓	✓	
Import/Export SD Files	✓	✓		✓	✓
ChemDraw® Integration	✓	✓		✓	✓
CAS Number Lookups	✓	✓		✓	
21 CFR 11 Compliant	✓			✓	
GLP Qualified Software	✓			✓	
Audit Trails	✓			✓	
Autotext	✓			✓	
Synthesis Mapping	✓			✓	
Chinese/Japanese Localization	✓				
Drag and Drop File Attaching	✓				
Live Editing of Attached Files	✓				
CRAIS Checker	✓				
Electronic Signatures and Witnessing	✓				
SAFE BioParhma Compatible	✓				
Autosave	✓				
Combinatorial Chemistry	✓				
Sketching/Annotating of Images	✓				
Defined Vocabulary List	✓	✓	✓	✓	
Import MS Excel CSV Files		✓	✓	✓	
Salt Stripping		✓		✓	
Registrar Workflow		✓			
Duplicate Recognition		✓			✓
Export MS Excel CSV Files			✓	✓	✓
HTS/LTS Workflow			✓	✓	
Plate Templates			✓	✓	
Plate Views			✓	✓	
Multiple Inventory Capability				✓	✓
Check In/Check Out Tracking				✓	

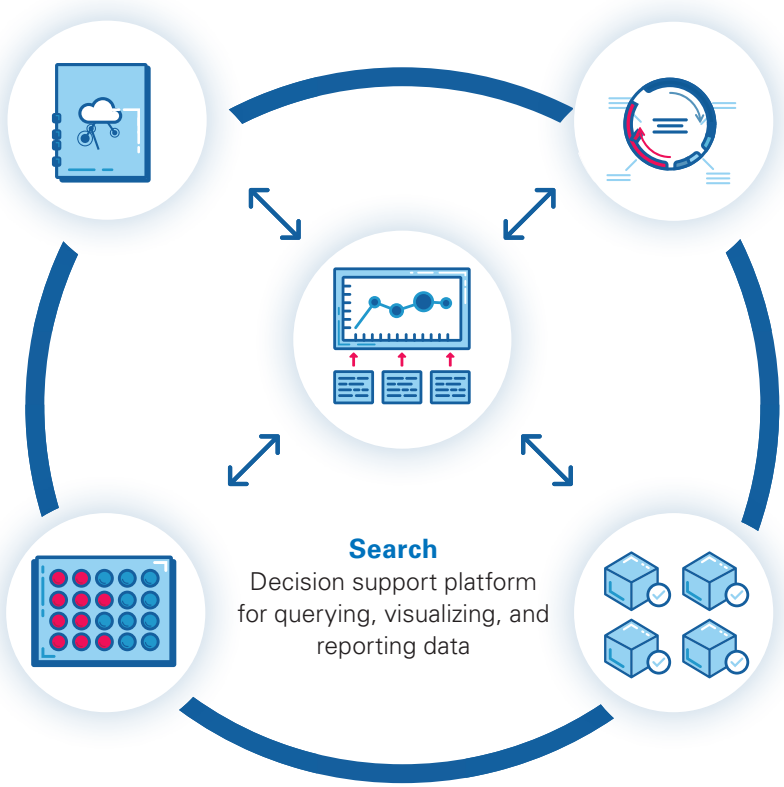
Streamline Your Collaborative Research Workflow with the Arxspan Suite of Products

Notebook

Electronic Laboratory Notebook optimized for collaborative research environments

Registration

Chemical an biological repositories andling cases of uniqueness & identity criteria, mixtures, and cross-referencing



Assay

System for analysis and reporting of assay result sets and endpoint data

Search

Decision support platform for querying, visualizing, and reporting data

Inventory

Tool to define and manage compounds, biologics, and other materials

Get Started from Scratch, or Migrate Existing Data to our Cloud Platform

Choose the cloud-based Arxspan system and begin using the software in one business day; or work with our consulting team to integrate our suite of components into your existing workflows and tool set. The Arxspan suite offers a simple, intuitive user interfacecoupled with granular, robust administrative controls for deployment, configuration, and system access. Our cloud-based product approach facilitates rapid deployment across an enterprise, with no software to install on client machines. Any device with a web browser can access the Arxspan product line.

Connect, Collaborate, Create: Share Research Data Seamlessly

The Arxspan cloud-based suite of applications is a fully integrated platform for distributed collaborative research across internal staff as well as external partners. The Arxspan suite offers 21 CFR Part 11 compliance with full access control and history, version control, electronic signatures and witnessing workflows, and storage of all details in perpetuity. Hosting applications in our secure multi-tenant cloud environment allows users to access the system from around the world and from any computing device, maximizing collaboration and productivity.

Bruker BioSpin

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www.bruker.com/products/laboratory-software.html