

BioDrive, The New Molecular Biology Tool From Arxspan by SciY

A molecular biology module for delivering a single, integrated data management platform for crossfunctional research teams



BioDrive is the Only Molecular Biology Tool Available for Both Desktop and Enterprise Solutions.

- ▼ The same functionality and the same interface for enterprise or desktop!
- ▼ BioDrive Enterprise version is embedded in Arxspan by SciY's cloud-based solution.
- ▼ BioDrive Desktop runs on both Windows and Macs.
- ▼ Integrated with New Registration
- ▼ Data can be easily transferred between the desktop and Enterprise solutions.
- ▼ Work where you want, how you want.

Support Team Comprised of Life Science Experts

Arxspan by SciY's global support organization is committed to providing high quality service to our customers.

- ▼ The Arxspan by SciY support team is staffed by industry experienced researchers
- ▼ Scientific tools built by scientists, for scientists, and supported by scientists across a multitude of disciplines with 24/5 global support
- ▼ Our support team is highly responsive and interactive with an average response time within 48 minutes

Arxspan by SciY ELN is a Single Repository for All Chemical and Biological Data

With the introduction of BioDrive Enterprise, Arxspan by SciY ELN is one solution for your multi-discipline research teams with coverage for both chemistry and biology researchers.

- ▼ Create templates for common molecular biology and chemistry protocols and workflows
- ▼ Complete timestamped Audit trail of all transactions within experiments
- ▼ Provide full support for internal and external collaborations
- ▼ No more redundant solutions and data silos for different disciplines

BioDrive Molecular Biology Tool

BioDrive allows molecular biologists to:

- ▼ Create, import, and export nucleotides and amino acids sequences (with support for all common file formats)
- ▼ Import sequence directly from NCBI's database
- ▼ Display, analyze, and annotate sequences, enzymes, and primers
- ▼ Design Primers with BioDrive's Primer Design Tool
- ▼ Automatically detect restriction enzyme digestion sites
- ▼ Automatically detect frequently used Features and Oligos using the Customizable Annotation Feature Libraries and Oligo Libraries
- ▼ Automatically calculate a variety of biochemical properties for any sequence
- ▼ Design and plan cloning projects
- ▼ Maintain relationships between molecules, such as those between primers, PCR products and the resulting clones
- ▼ Reindexing support of sequences
- ▼ Align the designed sequence with one or more sequences and/or sequencing files (e.g. .abi/.ab1 files)
- ▼ Full 21 CFR Part 11 Compliant BioDrive History and Sequence History (Enterprise web version only)
- ▼ Use sophisticated search capabilities, including sequence or keyword searches
- ▼ Generate publication quality graphics

BioDrive Fully Integrates with the New Registration Module

BioDrive is now fully integrated with the New Registration Module, providing an unparalleled user experience for scientists and researchers.

- ▼ Seamless registration of new chemical entities or biological sequences
- ▼ Advanced data management capabilities for managing data across multiple projects
- ▼ Streamlined registration process for easy tracking and organization of data
- ▼ Compliance with regulatory requirements in the life sciences industry

The screenshot displays the BioDrive Molecular Biology Tool interface. On the left, a navigation menu includes sections for Search, Registration, Workflow, Admin, User Settings, Work Requests, My Requests, and Registration User Audit. The main area shows a 'Request Type' of 'Plasmid' with 'Registration ID' 'PLAS-00018', 'Date Created' 'Thursday, April 4, 2024', and 'User Created' 'Jane Biologist'. The 'Plasmid Name' is 'BlueScribe'. Below this, the 'DNA Sequence*' section shows a circular map of the 'BlueScribe' plasmid (2746 bp). The map is annotated with various restriction enzyme sites (e.g., BssSI, BssSI, BsuI, AatII, ZraI, Amp^r, promoter, SspI, XbaI, PdeI, ScaI, BtsI, BtsII, NheAIII, BsrFI, CF19I, BsrFI, BseKI, EaeI195I, Eco19KI, AhoI, MboII, Eco57I, AclI) and features (e.g., T3 promoter, Amp^r, T7 promoter, lac promoter, M13 rev, lac operator, M13, BsrBI, PvuII, PstI, AF1III, LysI, SspI, SspOI, BpuEI, A1+KI, CsiI). The interface also includes a 'Bacterial Selection Marker' dropdown set to 'Amp', a 'CREATE NEW CHILD' button, and a 'Children' table with columns for Child, Date Created, Created By, BLN Reference, and Lot #. The table currently shows 'No records to display'.

SciY is continually improving its products and reserves the right to change specifications without notice.
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Answering the Scientific Why.



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