BioDrive FAQs

- Bruker Arxspan Molecular Biology Solution

Q: What is BioDrive?

A: BioDrive is a standalone molecular biology module available in both a desktop and enterprise solution. BioDrive can be integrated within the Arxspan Electronic Lab Notebook (ELN) enterprise and desktop platforms, with future registration integration capabilities. It is used for making new plasmids, managing DNA sequence data and many other tasks associated with molecular biology research. With BioDrive you can import, edit, annotate, and save genomics data, and export it in multiple file formats.

Q: Do I still need multiple software systems to manage my biology, molecular biology and chemistry data?

A: No. BioDrive is an integrated software solution that converts the ELN into a powerful tool for managing chemistry, biology, and molecular biology data. BioDrive breaks down data silos to provide greater insight into research projects and maximizes collaboration

Q: What if I don't have access to the Arxspan ELN within my team?

A: There are two versions of BioDrive. One can utilize the desktop version of BioDrive without having access to the Arxspan ELN. The next time you connect to the internet, the data created in the desktop version of the software can be manually saved and uploaded to the cloud-based version. This is an integral part of your company's ELN, allowing you to contribute effectively without necessarily working within the ELN.

Q: Is the BioDrive enterprise solution independent of the Arxspan desktop version?

A: Yes, the enterprise version of BioDrive operates independently of the desktop version.

Q: Will I still need DNA drawing software (such as Snapgene) in addition to the BioDrive module?

A: No. Unlike other molecular biology software systems, BioDrive uniquely provides all of the features you need in one software package.

Q: Can I use BioDrive when I am working remotely?

A: Yes. We have both a desktop and enterprise version of BioDrive. One can work whenever and wherever you need!

Q: Are the desktop and web-based applications identical?

A: The two versions have the same feature set and the same interface, giving a consistent user experience whether you have the desktop version installed on your PC or Mac or the enterprise version integrated into the Arxspan cloud platform.

Q: Do I need access to the internet to use BioDrive?

A: No, with the desktop version, you can work offline.

Q: What sort of annotations can I make with BioDrive?

A: You can make any annotations you require within the BioDrive software, including importing sequences, making edits, inserting additional code, identifying the enzyme restriction digestions sites, adding primers and more.

Q: Can I share my molecular biology data from within BioDrive with someone who does not have access to the Arxspan ELN?

A: Yes, as long as a user has a BioDrive license to either the cloud or desktop tool. The data can be transferred to another user with an instance of BioDrive.

Q: Is the experimental data available in the desktop tool in real time?

A: The data accessed and saved within the desktop tool is available immediately upon saving the data locally.

Q: Does BioDrive desktop communicate data between the enterprise version of the software?

A: Currently, there is no communication between the desktop tool and the cloud tool. The data saved in the desktop tool won't automatically update since it is used offline. To synchronize the data between the desktop and the cloud, the user needs to manually save the data from one tool and upload to the other tool.

Q: How secure is my data within the enterprise version of BioDrive?

A: BioDrive features the same comprehensive 21 CFR Part 11 compliance and security as the Arxspan ELN. All data is saved within the experiment itself, and every saved update is timestamped.

Q: Can I search for individual elements within BioDrive?

A: Yes, you can search for all the different molecular biology elements including a DNA sequence and features of the substance.

Q: Can I build libraries in BioDrive?

A: Yes. One of the great features of BioDrive is that you don't need to re-import libraries each time.

Q: Do I still need to cut, copy and paste my data into the ELN?

A: The enterprise version of BioDrive is integrated within the ELN so your data is automatically saved into the notebook, saving you time.

Q: Can I build a repository of primers within BioDrive?

A: Yes, and not only that, you can align them to your target of interest as well.

Q: Can I compare my target sequence to sequencing data?

A: Yes. The alignment feature in BioDrive enables you to compare your target to sequencing data uploaded from a third party such as Illumina.

Q: How do my plasmids and code integrate with my experiment?

A: As BioDrive is integrated within your ELN, the data is created within the experiment itself. All of the information is together in one place, eliminating data silos and increasing data access and transparency.

Q: Can I go back and see any edits made previously?

A: Yes. We have version control within BioDrive allowing you to review what edits were made and when the edits were made.

Q: Is BioDrive 21 CFR part 11 compliant?

A: The BioDrive enterprise module has a range of features with 21 CFR Part 11 compliance including full audit trails and options for signatory control.

Q: Can multiple people edit the experiment at once?

A: No, only one person can edit an experience at once.

Q: How will using the BioDrive make me more efficient?

A: BioDrive removes many of the headaches associated with data management, such as copy/paste or import/export to and from multiple systems. With BioDrive you have the ability to plan experiments directly within the ELN; including managing and designing primers, building a repository of restriction enzymes, simulating plasmid synthesis, analyzing and registration of the DNA, and creating an inventory of samples.

Crucially, BioDrive allows scientists of different disciplines to share a common data management tool that is equally well-suited to their workflow. It can therefore foster collaboration by helping teams share information more effectively and progress more rapidly.

Q: How does BioDrive increase data accessibility?

A: BioDrive allows pharmaceutical and biopharmaceutical laboratories to gather a full record of all relevant information within one platform and have instant access to all of the data associated with specific samples and molecules, set within the context of the whole research project.

Bruker Corporation
info@bruker.com
www.bruker.com