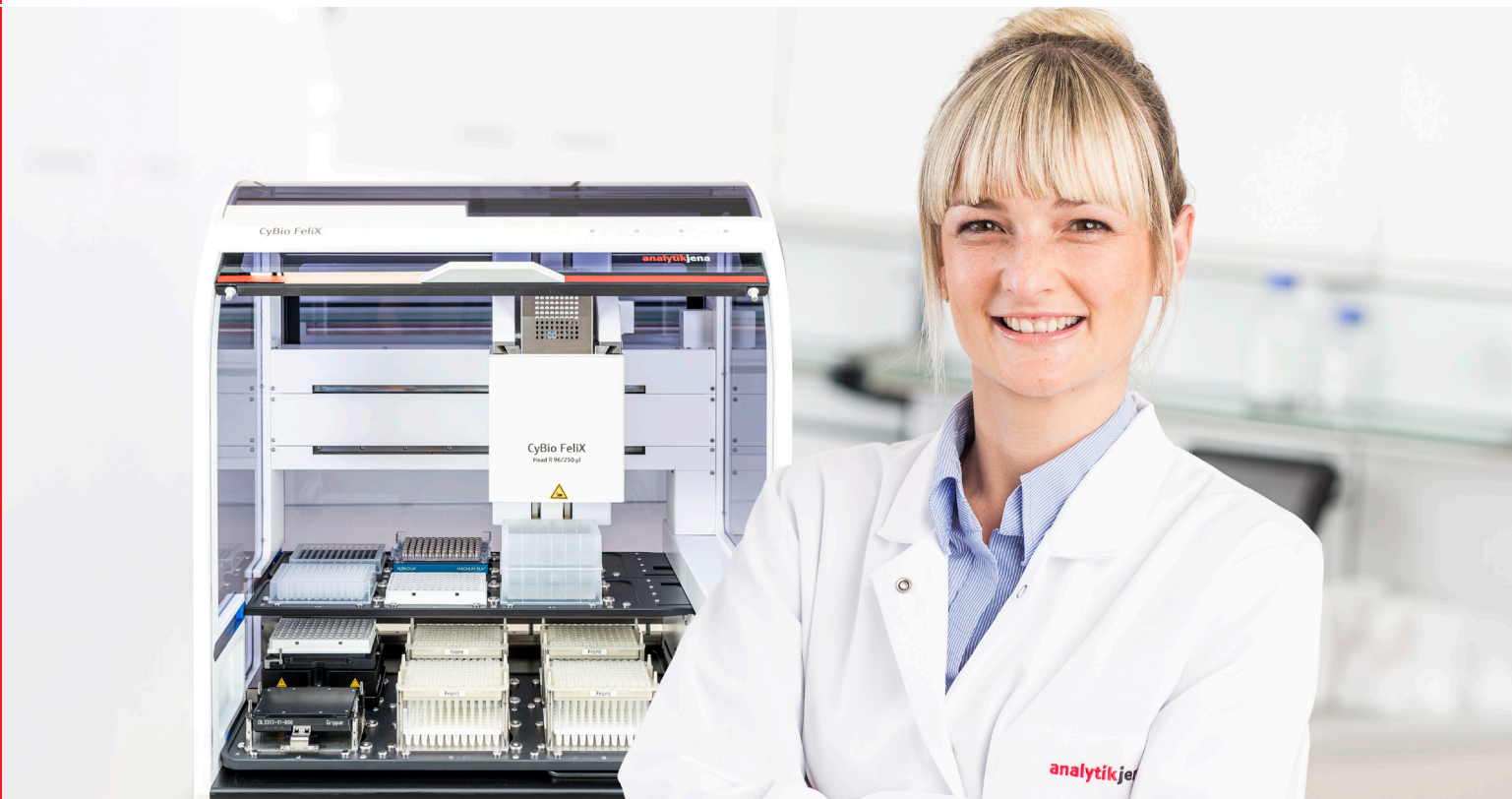


NGS Library Construction in Motion

Automation of Bead-based Library Preparation Steps with CyBio FeliX



CyBio FeliX Liquid Handling Platform

- Flexible Workflow Automation: Solutions for every step of your workflow.
- Customizable Configurations: Tailor automation to your needs.
- User-Friendly Operation: Easy and intuitive workflow control.

Bead-based Nucleic Acid Extraction

Revolutionize your sample preparation with CyBio FeliX's precision in magnetic extraction and achieve optimal purity and yield.

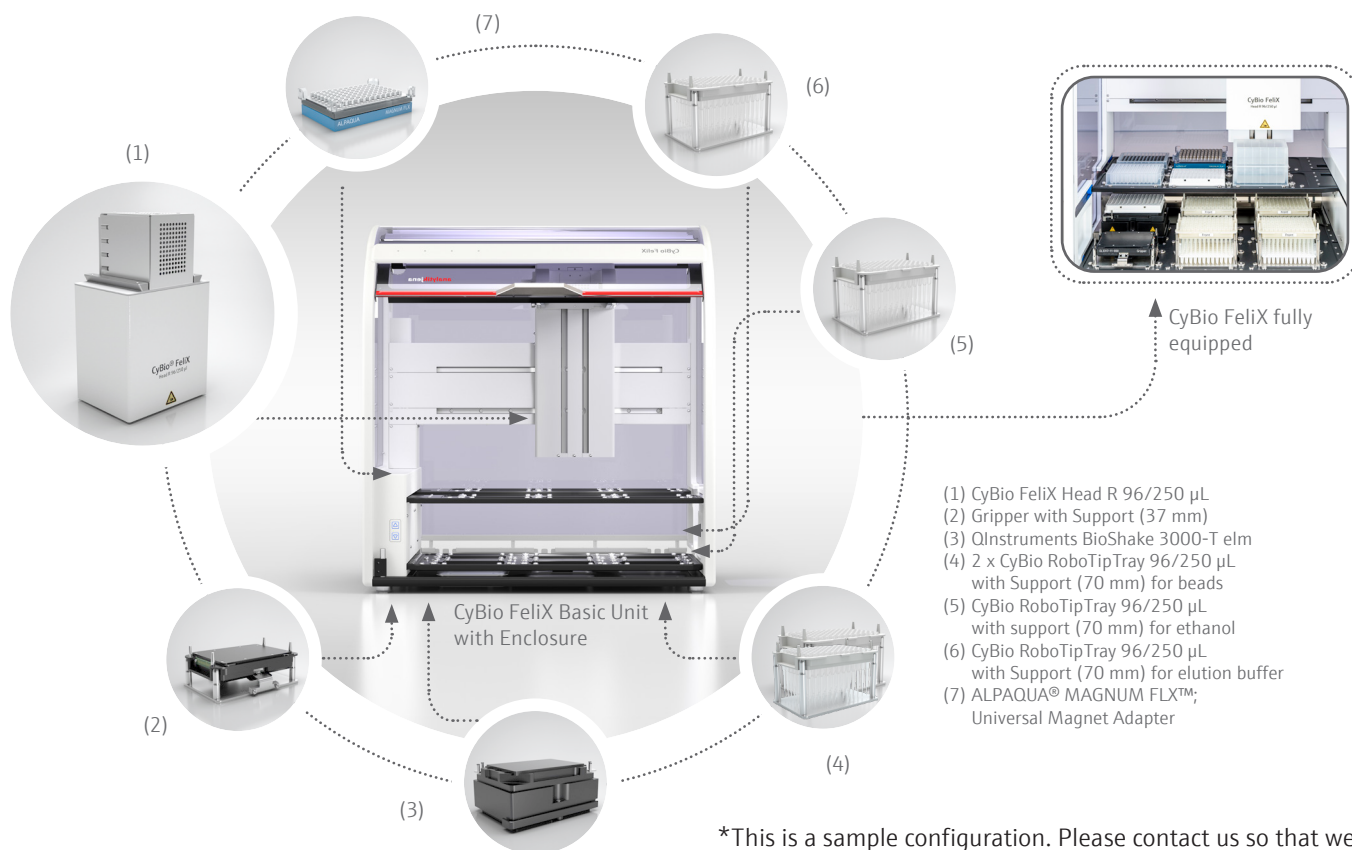
Seamless NGS Size Selection

Say goodbye to laborious manual size selection! CyBio FeliX automates the critical step of size selection to ensure your NGS libraries meet the highest standards.

Efficient Purification of Sequencing Libraries

Speed up your library preparation with CyBio FeliX's automated purification of sequencing libraries and maximize efficiency without compromising on quality.

How to Equip your CyBio FeliX* for Double-sided NGS Size Selection



*This is a sample configuration. Please contact us so that we can provide you with a tailored solution.

How to Automate Double-sided Size Selection



1 Load the CyBio FeliX deck with the necessary accessories, including DNA fragments, beads, ethanol and elution buffer - the Application Studio software will show you how. CyBio FeliX takes over the incubation of the DNA fragments with the beads. Efficient mixing by shaking can be enabled by the BioShake 3000-T elm on deck.



2 CyBio FeliX uses a gripper to move the PCR plate to the magnetic adapter on the deck where the bead separation is performed. Analytik Jena's solution enables a second clean-up step without the user having to intervene manually.



3 After the separation of the beads, CyBio FeliX performs the transfer of the supernatant. The washing steps can be carried out next to or on the magnet.



4 The robot completes the process by eluting the washed DNA fragments with the elution buffer of your choice and transfers them to the designated deck position.

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 Subject to changes in design and scope of delivery as well as further technical development.