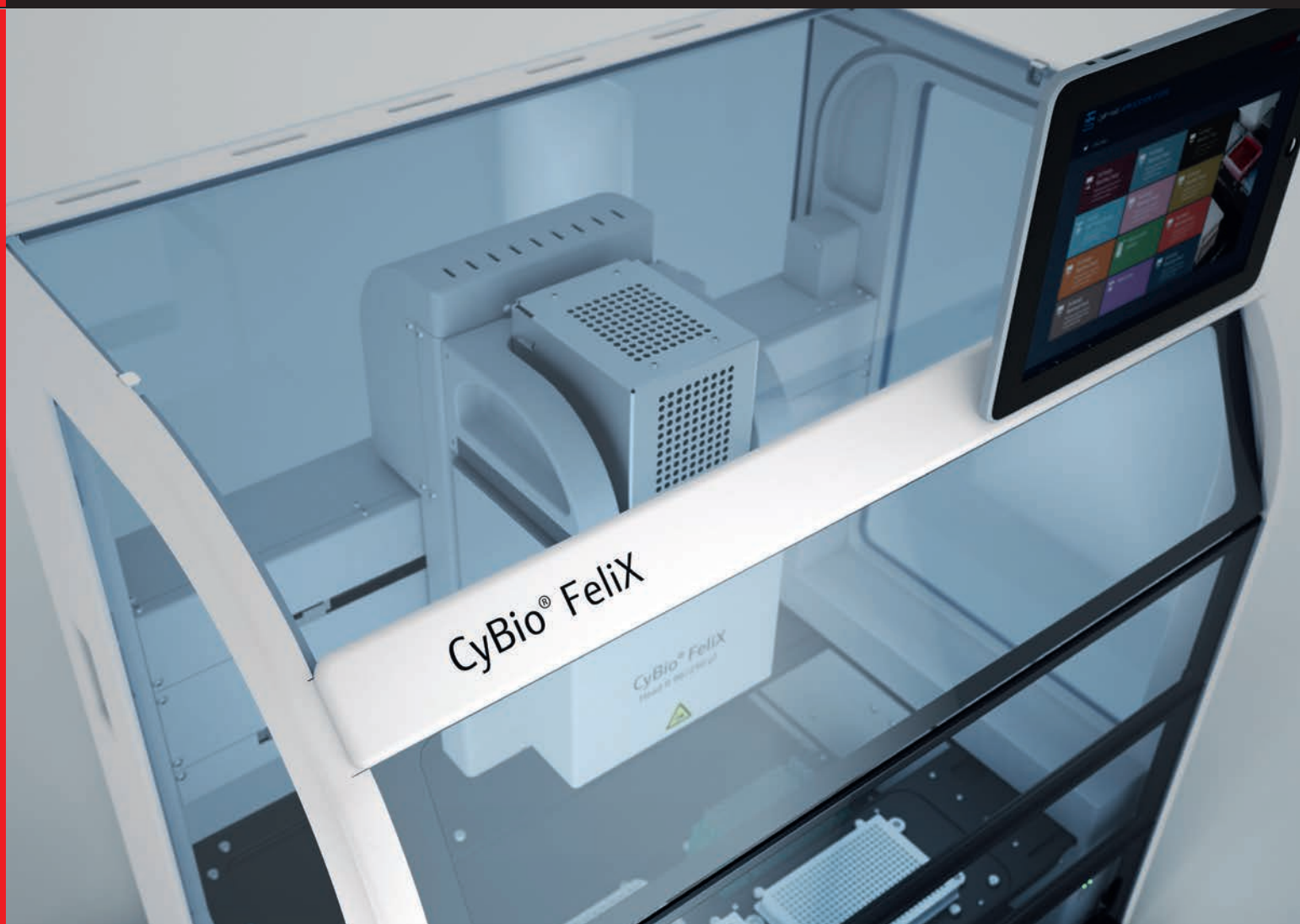


CyBio® Felix

Your Automated Application Starts Here



CyBio® FeliX — Future-Proof Liquid Handling Automation

Transform your manual workflows to automated processes on your benchtop!

CyBio® FeliX is a liquid handling platform with 1–384 channels in a volume range of 1 µl up to 1000 µl.

The CyBio® FeliX exceed the market demand for advanced, medium-to high-throughput robotics within the liquid handling community. The high-precision parallel transfer in 96 or 384 well format is complemented by pipetting in single wells, as well as pipetting into columns and rows. CyBio® FeliX offers maximum flexibility with minimal space requirements through a unique deck design with twelve positions on two levels.

Despite its compact design, CyBio® FeliX provides sufficient space for microplates, tubes, shaker, magnet adapter and gripper. The modular concept of CyBio® FeliX enables customized configurations for a wide variety of applications and can be adapted at any time to suit changing requirements.

Dimensions: 650 x 450 x 700 mm (w x d x h)
Weight basic unit: 50 kg
Weight pipetting head: 7 kg

The CyBio® FeliX is available as a stand-alone pipetting platform with enclosure or as an open platform for individual housing.

CyBio® FeliX benefits and features:

Free yourself from manual pipetting

With fully automated pipetting in different formats and integrated tool and tip exchange.

Save valuable lab space

Maximum performance with minimal dimensions

Reliability, robustness and precision

With our proven pipetting technology and high throughput screening experience for highest precision and accuracy.

Adjustment for best results

Optimized and reproducible pipetting performance without contamination.

Start automating today, scale up tomorrow

The entry-level liquid handling automation platform CyBio® FeliX provides a great variety of upgrade options to meet future needs.





CyBio® FeliX

Your Automated Application Starts Here

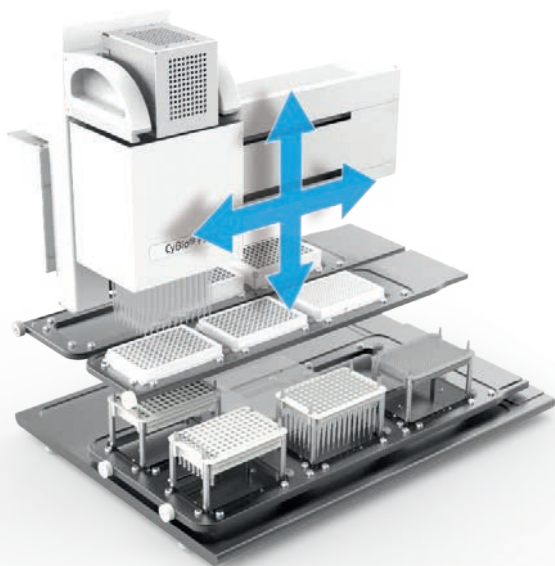
Discover Innovative Technologies

The CyBio® FeliX offers the performance of a large pipetting platform while maintaining a small footprint.

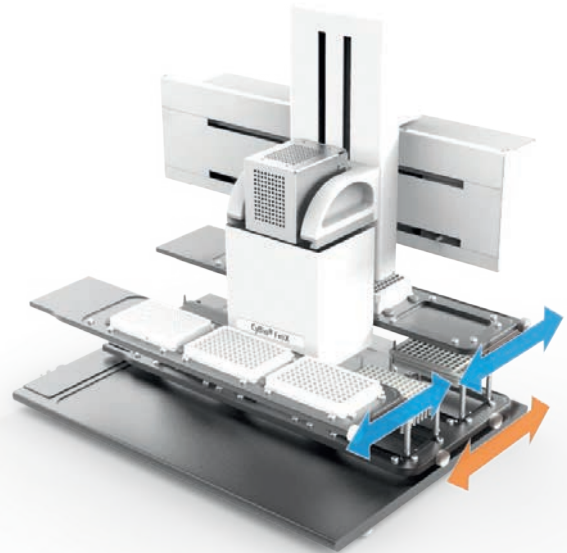
Unique deck design

The small dimensions are achieved by an innovative deck design with 12 positions on two levels.

The lower deck is intended for tips and accessories such as shaker and tip wash station. Of course microplates and reservoirs, as well as tubes up to 2 ml can be used on both deck levels.



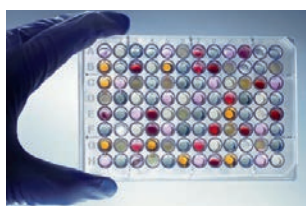
The two-dimensional positioning of the pipetting head realizes movements in horizontal (x) and vertical (z) direction.



The y-axis travel is achieved by rearranging the two-level deck system.

Versatility for Your Applications

The CyBio® FeliX can be equipped according to various application needs. With endless possibility for future upgrades and additions.



Analysis

Sample preparation
Extraction
ELISA
Kits



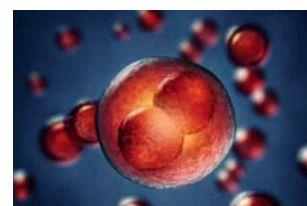
Drug Discovery

Replication
Reformatting
Dilution series
Hit picking
Screening



Genomics

Normalization
PCR & qPCR set-up
Clean-up
NGS sample preparation
RNAi



Cells

ADME/Tox
Cell seeding
Media exchange
Transfection
Cell-based screening

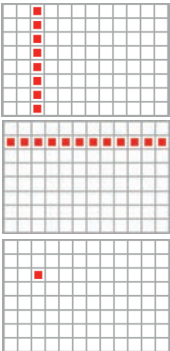
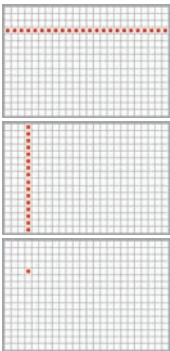
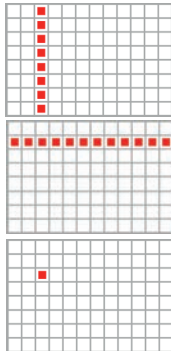
Pipetting Heads and Formats

The interchangeable pipetting heads are the core of CyBio® FeliX liquid handling system. Especially when it comes to performance in the volume range 1–1000 µl. Select the CHOICE™ Head for dedicated applications in columns, rows or single wells or one of the CyBio® FeliX Heads R to use 1 up to 384 channels in parallel.

CHOICE™ technology

The patent pending CHOICE™ technology overcomes the limits of today's pipetting technology by loading appropriate CHOICE™ adapters and tips without manual intervention for highly precise and reproducible liquid handling results.

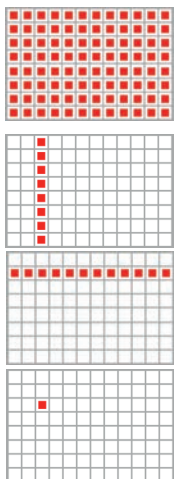
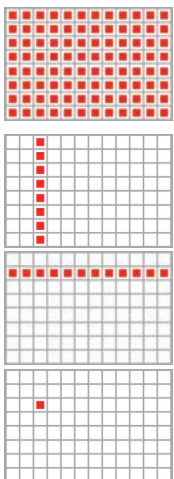
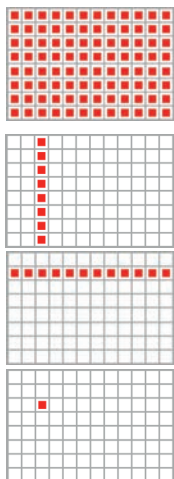
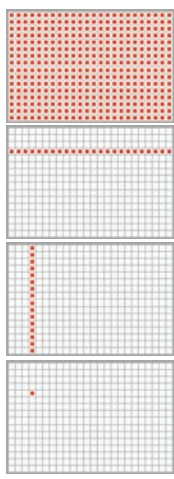
CyBio® FeliX CHOICE™ Head

Head type	CHOICE™ Head		
Adapter type	CHOICE 1/-, 8/- and 12/1 - 50 µl	CHOICE 1/-, 16/- and 24/1 - 50 µl	CHOICE 1/-, 8/- and 12/10 - 1000 µl
Tip type	TipBox 96/50 µl	TipBox 192/50 µl column TipBox 192/50 µl row	Tips from TipRack 96/1000 µl (blister) transferred in TipRack 96/1000 (holder)
Specified volume range	3 µl - 50 µl	3 µl - 50 µl	25 µl - 1000 µl
Precision ¹	3 µl - 10 µl CV ≤ 3 % > 10 µl - 50 µl CV ≤ 2 %	3 µl - 10 µl CV ≤ 3 % > 10 µl - 50 µl CV ≤ 2 %	25 µl - 100 µl CV ≤ 3 % > 100 µl - 1000 µl CV ≤ 2 %
Unspecified volume range	1 µl - < 3 µl	1 µl - < 3 µl	10 µl - < 25 µl
Precision ²	CV ≤ 10 %	CV ≤ 10 %	CV ≤ 10 %
Microplate format	24-, 96-, 384-well plates and tubes	384-well plates and tubes	24-, 96-, 384-well plates and tubes
Pipetting channels			

¹ All precision specifications are based on the standard absorbance measurement procedure as described in the pipetting head manual and depend on the selected pipetting head, liquid handling adapter and tip type. For further details see also the respective application note at our homepage (<https://www.analytik-jena.com>) or www.iwa15.org.

² Possible working range with CV ≤ 10 %, without guarantee

CyBio® Felix Robotic Heads

Head type	Head R 96/60 µl	Head R 96/250 µl	Head R 96/1000 µl	Head R 384/60 µl
Adapter type	RoboTipTray 96/60 µl	RoboTipTray 96/250 µl	Tips from TipRack 96/1000 µl (blister) transferred in 96-Channel Magazine (on support)	RoboTipTray 384/60 µl
Specified volume range	3 µl - 60 µl	10 µl - 250 µl	25 µl - 1000 µl	3 µl - 60 µl
Precision ¹	3 µl - 5 µl CV ≤ 2 % > 5 µl - 60 µl CV ≤ 1 %	10 µl - 25 µl CV ≤ 2 % > 25 µl - 250 µl CV ≤ 1 %	25 µl - 100 µl CV ≤ 2 % > 100 µl - 1000 µl CV ≤ 1 %	3 µl - 5 µl CV ≤ 2 % > 5 µl - 60 µl CV ≤ 1 %
Unspecified volume range	1 µl - < 3 µl	5 µl - < 10 µl	10 µl - < 25 µl	1 µl - < 3 µl
Precision ²	CV ≤ 10 %	CV ≤ 10 %	CV ≤ 10 %	CV ≤ 10 %
Adapter type	Head R 96 1, 8 and 12	Head R 96 1, 8 and 12	Head R 96 1, 8 and 12	Head R 384 1, 16 and 24
Tip type	TipBox 96/50 µl	TipBox 96/250 µl	Tips from TipRack 96/1000 µl (blister) transferred in TipRack 96/1000 (holder)	TipBox 192/50 µl columnn TipBox 192/50 µl row
Specified volume range	3 µl - 50 µl	10 µl - 250 µl	25 µl - 1000 µl	3 µl - 50 µl
Precision ¹	3 µl - 5 µl CV ≤ 3 % > 5 µl - 50 µl CV ≤ 2 %	10 µl - 25 µl CV ≤ 3 % > 25 µl - 250 µl CV ≤ 2 %	25 µl - 100 µl CV ≤ 3 % > 100 µl - 1000 µl CV ≤ 2 %	3 µl - 5 µl CV ≤ 3 % > 5 µl - 60 µl CV ≤ 2 %
Unspecified volume range	1 µl - < 3 µl	5 µl - < 10 µl	10 µl - < 25 µl	1 µl - < 3 µl
Precision ²	CV ≤ 10 %	CV ≤ 10 %	CV ≤ 10 %	CV ≤ 10 %
Microplate format	96-, 384-well plates and tubes	96-, 384-well plates and tubes	96-, 384-well plates and tubes	384-well plates and tubes
Pipetting channels				

¹All precision specifications are based on the standard absorbance measurement procedure as described in the pipetting head manual and depend on the selected pipetting head, liquid handling adapter and tip type. For further details see also the respective application note at our homepage (<https://www.analytik-jena.com>) or www.iwa15.org.

² Possible working range with CV ≤ 10 %, without guarantee

The Right Choice

We deliver complete solutions including various software options, liquid handling adapters, accessories and consumables.

Software

- CyBio® Composer
- Powerful scripting environment of CyBio® Composer
- Direct access of all device function
- Full control of volumes, speeds and accelerations

Application Studio

- Intuitive and easy user interface
- Start your application with a single touch
- Application oriented parameters and descriptions



Disposable

Liquid handling adapters

- For selective tip loading in single well, row or column format
- Automatic adapter and tip change within a method
- Self-acting liquid handling adapter identification





Consumables

- CyBio® RoboTipTrays for 96/384 multichannel pipetting
- CyBio® TipBoxes for column, row and single channel pipetting
- Available in standard, pre-sterilized, PCR-certified and with filter



Accessories

- Tip wash station
- Refillable reservoir
- Tube rack
- UV unit
- Barcode reader
- Microplate cooling and heating
- Magnetic adapter
- Microplate shaking
- Gripper

Your Partner in Service

Our highly trained and motivated service staff ensures less downtime with preventive maintenance and calibration visit yearly. We offer operator training and application support onsite and at our facilities.



We set the
standard in
Product
Innovation.

We care
about **YOUR**
success.

Our highly
skilled service
staff is commit-
ted to excellence.

Your benefits

- Software upgrades with installation and training
- Online and phone support
- Worldwide service network
- Factory trained field service engineers
- 24-48 hour on-site service response*

Contact our local service centers for more information

Service contact Germany, Austria, Switzerland:

- +49 3641 77 9449
- service.cybio@analytik-jena.de

Service contact in the USA:

- +1 781 376 9899
- service.usa@cybio-ag.com

Service contact in the UK:

- +44 162 266 2118
- cybio.ne@cybio-ag.com

Worldwide partners

CyBio's contact partners are available worldwide on-site.



*Based on service contracts



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Subjects to changes in design and scope of delivery as well as further technical development!

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