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CyBi®-SELMA

Your Personal Pipetting Assistant

- **S**emi-Automatic, **E**lectronic, **L**iquid **H**andling, **M**ulti Channel, **A**pplication

CyBio

PRODUCT LINE

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CyBi®-SELMA

Different Formats and Volume Ranges for Best Results

CyBi®-SELMA is a semi-automatic pipettor which works fast, precisely and in a reproductive manner. Equipped with 96 or 384 parallel working channels, 96- and 384-well microplates can be rapidly filled. All movements and processes that are crucial for high precision and reproduction are performed by reliable drives. This guarantees excellent and consistent results every time.

The CyBi®-SELMA family comprises six different pipetting heads which are covering the volume range from 0.5 µl up to 1000 µl. Thus, it is easy for the customer to choose the CyBi®-SELMA version optimally matching the volume range for the applications to be performed.

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Technology
Quality
Innovation
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CyBi®-SELMA

Application

Flexibility that inspires.

With different reservoirs and trays for reagents CyBi®-SELMA enables a large selection of applications. Thus, the 96- and 384-well microplates are replicated and reformatted or filled with buffer in a fast and reliable manner. Thanks to special tip magazines, CyBi®-SELMA is also able to process individual columns, and serial dilution series can be created easily and accurately. CyBi®-SELMA offers the possibility to react to different liquids and to adjust the pipetting speeds to the appropriate conditions without compromising intuitive operation.

Precision with sophisticated technology

CyBi®-SELMA consists of 96 or 384 pipetting channels which enable a safe and error-free transfer of 96 or 384 samples in a single step. Sample mix-ups or the neglect of individual wells are now a thing of the past.

The high quality tips and the proven tip sealing principle have been successfully applied for more than 25 years in the high-throughput area and have provided extremely accurate and reliable results.

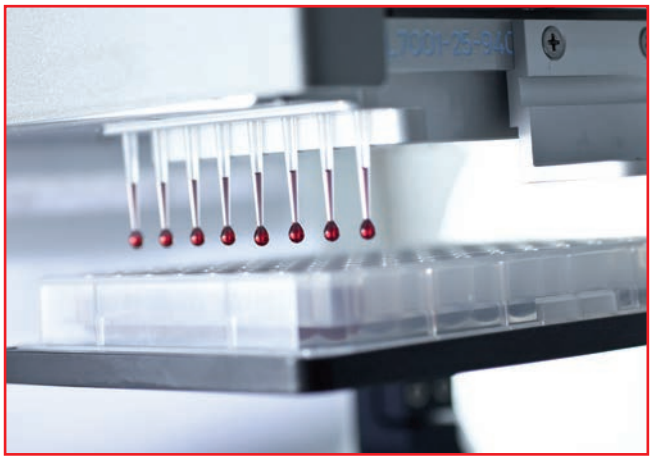
CyBi®-SELMA

Inspiring Technology …

CyBi®-SELMA is extremely easy to operate without the need for a separate computer control system. Pipetting, dispensing, mixing and many other pipetting modes as well as the desired language are easily selected on a modern touch screen. The touch screen also displays the required parameters, for example volume and pipetting speed, the process can then be started. All manual tasks, such as changing the microplates, are shown on the display screen. Thus, guaranteeing a fast and precise processing of the microplates.

CyBi®-SELMA

… Making Pipetting So Much Easier



With CyBi®-SELMA you are not restricted to processing only whole microplates. There is an option both in 96-well microplates as well as in 384-well microplates to work column by column. The addition of controls or samples in individual columns, as well as serial dilution is possible at any time.

For CyBi®-SELMA, using various types of microplates is simple and intuitive. In order to reach the optimum depth of tip immersion in each microplate well, the pipetting head can be brought into the right position thanks to an easy-to-use adjustment dial. For recurring processes, the selected settings for pipetting height, volume and speed can be saved and thus recalled at any time as needed.

In addition to the different pipetting heads for different volume ranges, there are various accessories available to support additional laboratory tasks. Multiple clean-up methods can be automated very easily through the use of a vacuum chamber. Also an orbital shaker can be used in addition to the 2-positions for microplates and reservoirs. Through the use of heating or cooling solutions, temperature dependant applications are easily realizable.

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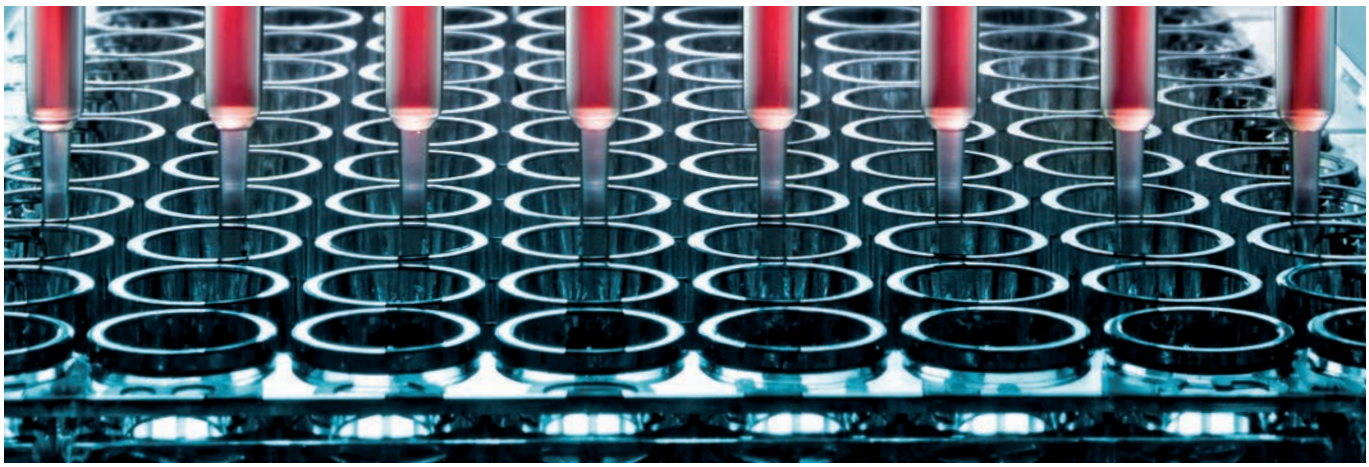
Liquid Handling Specifications



Precise technology in every detail	
Pipetting channels	96 or 384
Processing column by column	yes
Tip types 96	25 µl, 60 µl, 250 µl or 1000 µl***
Tip types 384	25 µl or 60 µl
Volume range	0.5 µl – 25 µl, 1 µl – 60 µl 5 µl – 250 µl, 10 µl – 1000 µl
Precision 25 µl pipetting head (96 or 384)	2 – 5 µl ≤ 2% CV > 5 – 25 µl ≤ 1% CV
Precision 60 µl pipetting head (96 or 384)	3 – 5 µl ≤ 2% CV > 5 – 60 µl ≤ 1% CV
Precision 250 µl pipetting head	10 – 25 µl ≤ 2% CV > 25 – 250 µl ≤ 1% CV
Precision 1000 µl pipetting head	25 – 100 µl ≤ 2% CV > 100 – 1000 µl ≤ 1% CV
Microplate formats	96, 384, shallow and deep well
Work positions	2
Dimensions (WxHxD)	307 x 480 x 325 mm*
Weight	approx. 18 kg **
Working conditions	15 °C to 37 °C
Humidity	< 85 % at 30 °C

** CyBi®-SELMA 96/1000µl H=520 ** CyBi®-SELMA 96/1000 µl approx. 20 kg
*** 1 ml-tips available as standard and pre-sterilized with filter

CyBio Instrument Services

Your Reliable and Competent Partner

Service

Our philosophy is simple.

We sets the standard in Product Innovation.

We care about your success.

Our highly skilled service staff is committed to excellence.

Your benefits

- Our service staff ensures preventive maintenance and calibration visits according to our strict service requirements
- Operator training including application support on-site or at our facilities
- Software upgrades with installation and training
- Unlimited phone support
- Worldwide service network
- Factory-trained field service engineers
- 24-48 hour on-site service response

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