

Stack Plates. Print Quad. CyBio QuadPrint



CyBio QuadPrint

Compact, robust, versatile – the CyBio QuadPrint high-throughput label printer makes your labeling processes safe and reliable, with maximum walk-away time.



Save your valuable lab space – Small footprint despite high capacity microtiter plate storage
Printer and plate storage form a unique unit that enables fully automated microtiter plate (MTP) loading, labeling and storage on a comparatively small footprint. Thanks to the reduced required dimensions of the device, the CyBio QuadPrint can be operated on the standard laboratory bench or integrated into automation systems.

Operate reliable and reproducible – Harmonic device and software technology
The reliability of the system is achieved through robust device technology combined with error-tolerant device control. The combination of CyBio Composer with the improved CyBio PrintStudio enables reliable operation of the CyBio QuadPrint. This includes the ergonomic design of label layouts as well as the import of label lists and printing of MTP labels. Thanks to a low-maintenance, high-performance label printer and suitable labels, the system easily can withstand the rough conditions in production environments.

Ensure high process stability and efficiency – Precise printing
The precise labelling of the microtiter plates by the CyBio QuadPrint allows the required process stability in pharmaceutical and life science laboratories, especially in downstream applications. The accurate positioning of a easily readable label ensures the successful reading of the barcode and thus a trouble-free execution of the workflow. Special diligence is required when applying long, thin labels, such as those used for labeling microtiter plates. Automating the labeling process leads to a prevention of human errors and an increased efficiency in laboratory processes.

Reach maximum flexibility – Increasing throughput without compromise
The CyBio QuadPrint has a very high stacker capacity (up to 280 MTPs) and allows the processing of different microplate formats in ANSI SLAS format. The combination of excellent labeling speed, a comprehensive database with predefined microplate parameters and a wide range of label contents (barcode, text, 1D and 2D) makes the CyBio QuadPrint a flexible partner in automated high-throughput labeling.

Technical Data

System features	
System requirements	- Air pressure, >5 bar (working pressure 4.5 bar) - Connection pressure hose: outer diameter 8 mm, - Stacker: 100-240 VAC, 50/60 Hz - Printer: 100-240 VAC, 50/60 Hz
Network requirements	Interface: RS232 9pin Sub-D
Physical dimensions (WxDxH)	- CyBio QuadPrint HQ: 732.5 mm x 424.2 mm x 726 mm - CyBio QuadPrint HQ-M: 932.5 mm x 441.8 x mm 1095.7 mm - CyBio QuadPrint HQ-L: 932.5 mm x 441.8 mm x 1295.7 mm
Labeling rate/ throughput	- Less than 10 sec for labeling 1 side (including get and store plate) - Less than 25 sec for labeling 2 sides (including get and store plate)
Plate specifications	ANSI SLAS format, shallow well, deep well, high base, low profile microplates, tip boxes
System capacity	2 types of stack lengths (standard 555 mm, extended 755 mm) 4 stacks with a total capacity of up to 280 plates (stack length 755 mm)
Barcode/barcode types	4 MTP sides can be labeled - All common barcode/text types 1D and 2D
Label size (W x H)	66.0 x 5.5 mm/ 7.0 mm
Label characteristics	- Resistant to acidic, basic aqueous solution, detergents, alcohols and organic solvents such as DMSO - Operating temperature: -40 °C to +99 °C
Software	CyBio Composer and CyBio PrintStudio

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Pictures: Analytik Jena GmbH
Subjects to changes in design and scope of delivery as well as further technical development!

Version 1.0 - en - 01/2021
844-CMA023-2-B
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