

ARRAY READER C-SERIES

The Array Reader C-series instrument is a high-quality array reader for immunoblot array applications in microtiter plate format designed for efficient multiplex diagnostics.

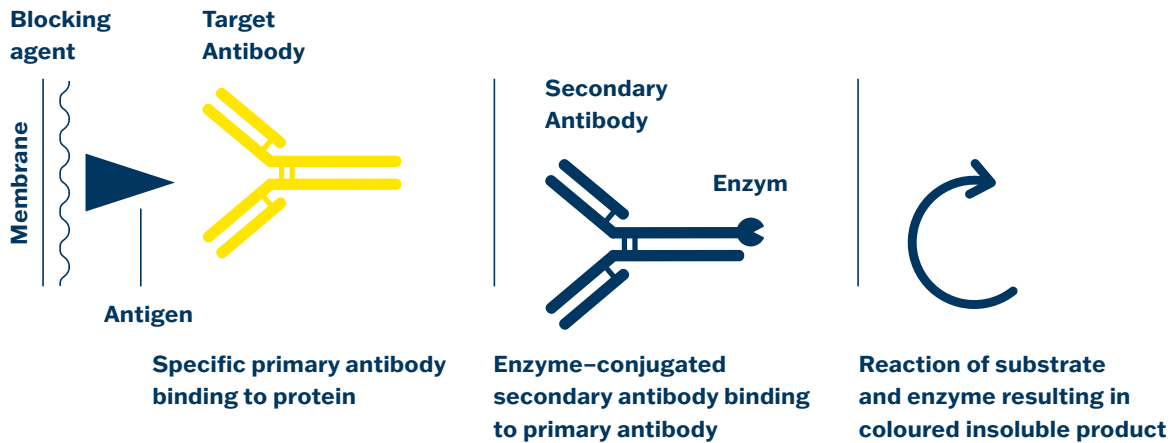


The instrument is designed to analyze colorimetric microarray multiplex assays within each well and can also perform analysis of information in the whole well. The technology eliminates the bottleneck of traditional BLOT processing and capacity and opens up the way to high throughput testing and automation. **This is an in vitro medical device (IVD).**

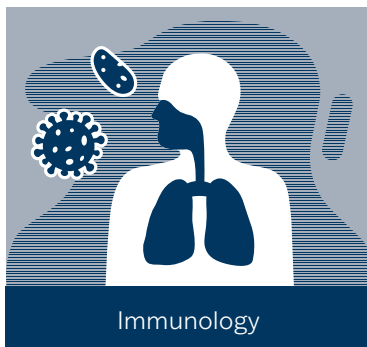
The comprehensive evaluation of Microblot Array testing is ensured by using the Microblot-Array Software in combination with the Microblot-Array Reader, enabling complex image analysis including results evaluation and connectivity to LIS.

Microblot-Array principle

Specific recombinant proteins/antigens spotted onto a nitrocellulose membrane



Applications



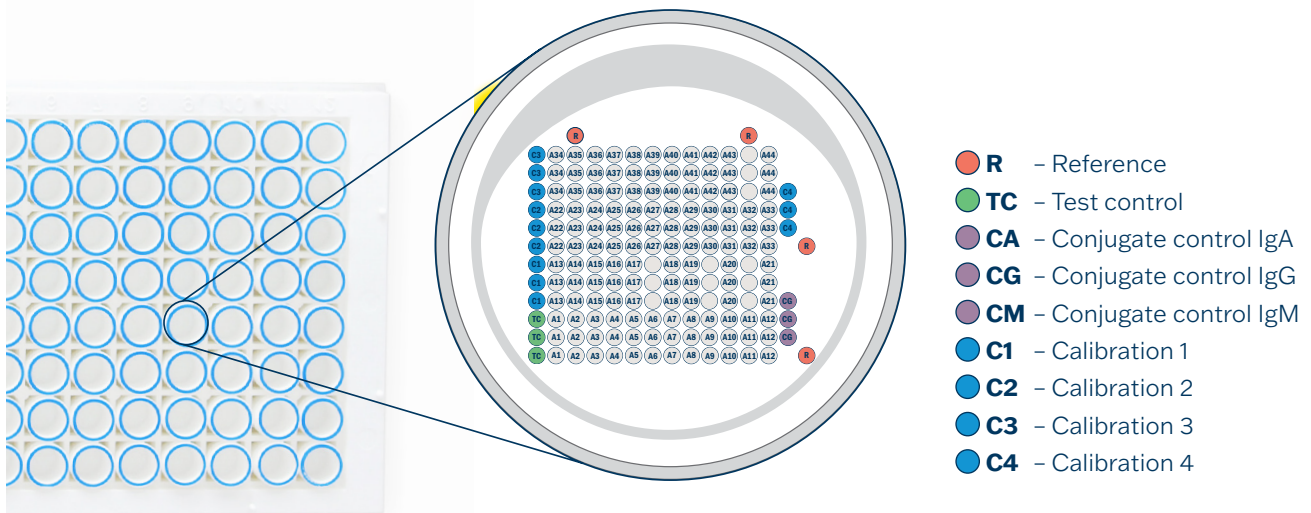
Key Features

- High throughput of samples
- Compatible with 96 well microtiter plate
- Optimized for plate colorimetric immunolot assays
- Fast reading, approximately 5 minutes per plate
- Visible (White) long life LED lighting system
- Reading of all or selected wells and/or strips
- Automated grid layout, spot and image analysis with manual control
- Intuitive and easy-to-use software
- Comprehensive LIS integration capability



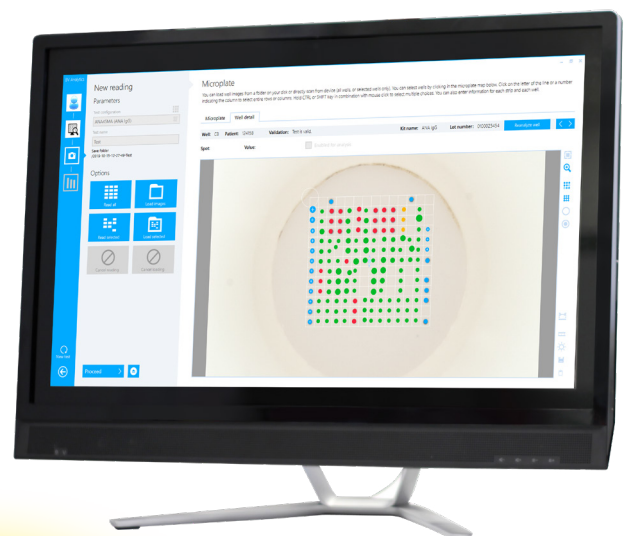
Microblot-Array Features

- Antigens spotted in triplicate Minimizing statistical variation
- Controls in each well
- Five calibration spots to create a calibration curve
- Evaluation based on combination of positive antigen spots: qualitative only in excel report or LIS export. For PDF reports user can choose between quantitative or semiquantitative, quantitative (U/ml) or semiquantitative (IP)



Software Specifications

- Automated spot localization and test identification
- Intuitive and user-friendly guiding throughout the results evaluation
- Complex image analysis
- Manual control for grid position
- Detailed results comparison within single wells and spots
- Evaluation of the validity test through control spots
- Export of results in various formats
- Cumulative report of all wells, detailed report of each single well, Export to XLSX file
- LIS connectivity



Technical Specifications

Array Reader C-series

<u>Application</u>	Microarray multiplex assays analysis
<u>Camera sensor</u>	CMOS
<u>Camera resolution</u>	5 Mpx
<u>Camera focus pane</u>	1 – 20 mm
<u>Focus</u>	Automatic
<u>Camera pixel values</u>	Greyscale values
<u>Imaging area size</u>	With diameter of 6.5 mm
<u>Image file formats</u>	PNG 24bit
<u>Lighting technology</u>	Long life LED, White
<u>Lighting system</u>	Top (reflected), Bottom (transmitted)
<u>Measuring time per plate</u>	5 minutes
<u>Autodiagnostic test</u>	Yes
<u>Calibration plate</u>	Yes
<u>PC connection</u>	USB 3.0 or higher
<u>Operating temperature</u>	+5 to +40 °C
<u>Power input</u>	100 – 240 V, 50/60 Hz
<u>Power consumption</u>	50 W
<u>Dimensions</u>	250 x 230 x 430 mm
<u>Weight</u>	17 kg

PC All-in-One

<u>CPU</u>	Intel Core i3 or higher
<u>RAM</u>	8 GB
<u>HDD</u>	min. 256 GB
<u>USB</u>	2x USB 2.0, 1x USB 3.0 or more
<u>Display</u>	23", 1920 x 1080
<u>Operating System</u>	Windows 10 and higher
<u>Power Consumption</u>	150 W
<u>Dimensions</u>	564 x 444 x 53 mm
<u>Weight</u>	6.7 kg

Microblot-Array dryer

<u>Operating temperature</u>	+10 to +35 °C
<u>Power input</u>	110 – 240 V, 50/60 Hz
<u>Power consumption</u>	200 – 240 W
<u>Dimensions</u>	145 x 170 x 205 mm
<u>Weight</u>	1.5 kg



TestLine Clinical Diagnostics s.r.o.

Křižíkova 68, 612 00 Brno, Czech Republic
sales@testlinecd.com
www.testlinecd.com