

## Applications

PlateLyzer, a microplate and biochip reader, is suitable for biomedical laboratories and biological research institutions, and can be used to read biochips for other purposes, such as food inspection, agricultural inspection, human disease detection and drug development.

### Food inspection

It can detect whether meat, food and feed contain clenbuterol, antibiotics, melamine, heavy metals, pesticides and other ingredients.

### Clinical examination

Drug testing, infectious pathogen testing, blood screening and disease testing (cancer, allergens, sexually transmitted diseases, infertility, chronic diseases, etc.).

### Research

Drug development, biology, life science and medical research.

### Other applications

Customs detection, criminal inspection, public health and environmental inspection.



## Specification

Scanner Type	Flatbed scanner	Drivers	TWAIN
Sensor Type	CCD	Connectivity	USB 2.0
Light Source	LED	Dimension(L x W x H)	567 mm x 385 mm x 157 mm ( 22.3" x 15.2" x 6.12" )
Resolution	1632 dpi (15.5 μm)	Weight	12 kg (26.4 lbs )
Bit Depth	16-bit	Power Adaptor	Input: AC 100V-240V, 50-60Hz Output: 60W, 24V 2.5A max
Absorbance Range	0.0D ~ 3.4D	Operation Environment	OP temperature: 50° ~ 104°F ( 10° ~ 40°C ) OP humidity: 20% ~ 85%RH
CV	0.5% @1D, 1% @2D		
Range(R)	1% @1D, 2% @1.5D		
Warm up Time	10 min		
Scan Area	117 mm x 79.7 mm		
Scan Speed	60 sec ( 96-Well plate )		

## OS support

Windows 10 / 11

For more details on product, please contact your local Microtek sales or dealers.

## Features of PlateLyzer

PlateLyzer is a special reader designed to capture images of microplates and biochips and has the following characteristics :

- ▶ High-resolution color line CCD, accurately read the biological image in the microplate.
- ▶ Special design to clearly capture the sample image.
- ▶ Imaging with high stability, suitable for quantitative analysis and detection.
- ▶ Ultra High Resolution 1632 dpi (15.5 μm).

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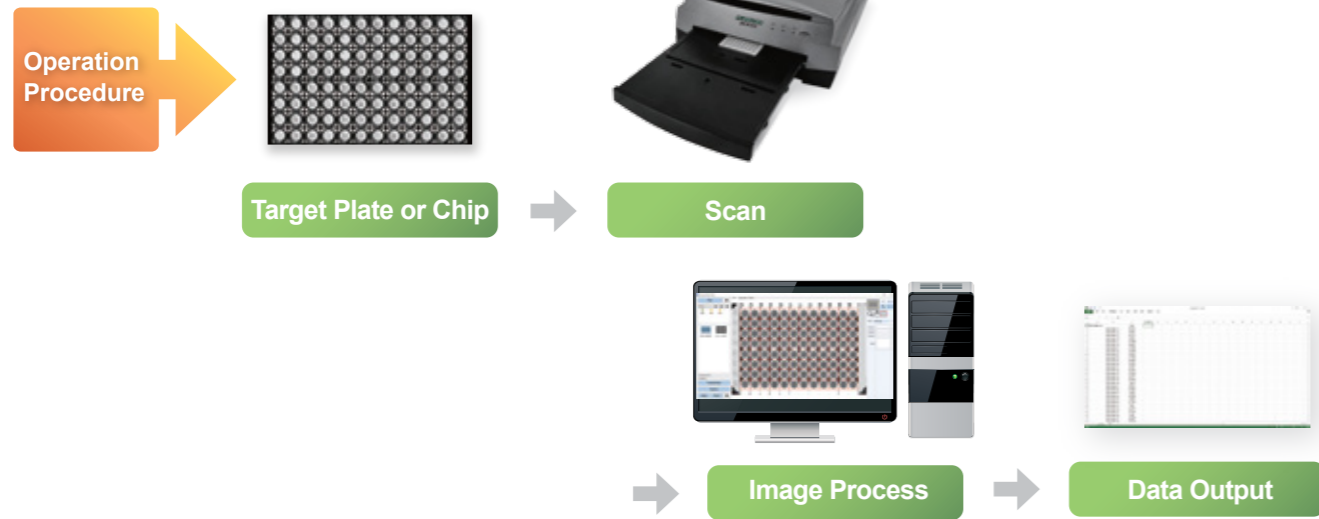
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**MICROTEK**  
SCAN THE WORLD



# Microarray Imaging Solution

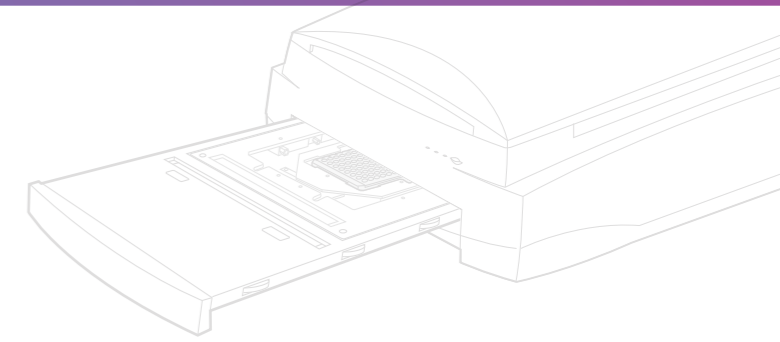
PlateLyzer, a professional biochip scanner, scans and detects biological images in plates or chips quickly and accurately. If equipped with analysis software, users can easily conduct the detection, analysis and interpretation of various biological samples, and save the test results as digital files for further analysis and retrieve complete solution for ELISA related research.



- ▶ Capture gray value of test sample
- ▶ Automatic conversion and analysis
- ▶ Automatic interpretation of test results
- ▶ Automatically generate inspection reports
- ▶ Multiple index detection
- ▶ High-throughput detection

## MiBio-Probe

Image analysis software

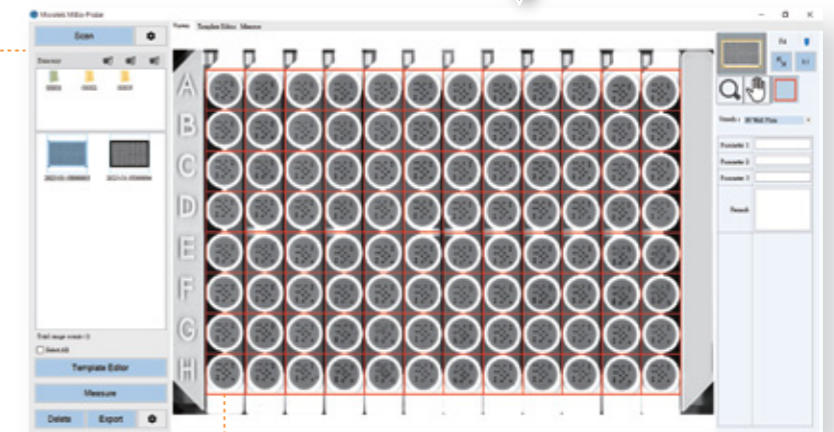


MiBio-Probe is an analysis software that reads and analyzes biochip sample images. The easy-to-operate control panel enables users to complete the detection and interpretation of samples.

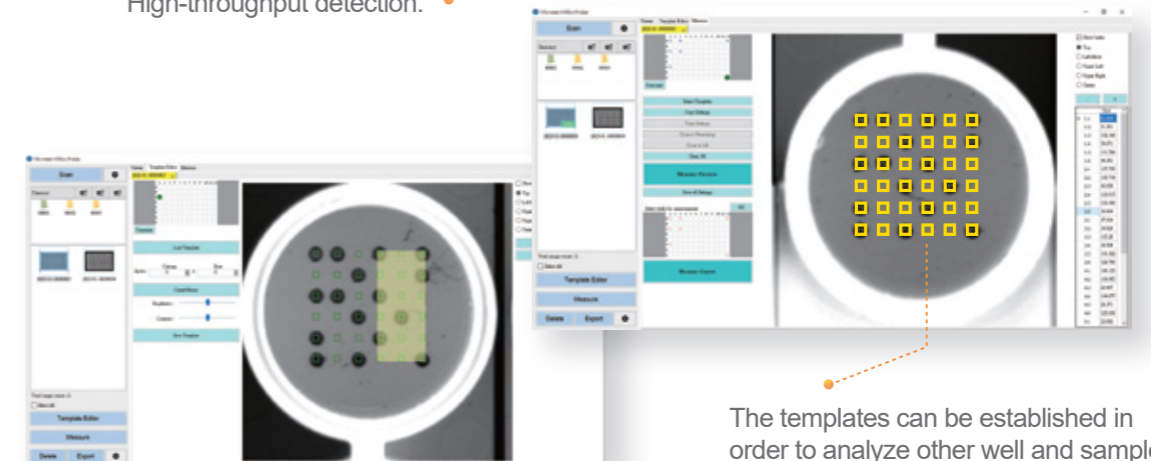
Includes image scanning, detection, interpretation and reporting functions.

The intuitive interface enables users to get started without any operating experience.

The periodic scan is available for observing the results.



High-throughput detection.



The templates can be established in order to analyze other well and samples more efficiently.