ELISA Microplate Reader

Model **MSBKEL10ASWISS** | Brand **Master Science** | Unit **Pc**



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The ELISA Microplate Reader (Model: MSBKEL10ASWISS) is an advanced analytical instrument used for detecting and analyzing specific components in biological, clinical, and research samples using enzyme-linked immunosorbent assays (ELISA) and similar experimental methods. It measures absorbance, fluorescence intensity, and chemiluminescence, making it essential in laboratories for quantitative analysis.

KEY HIGHLIGHTS

- Detection Mode
- Qualitative Analysis
- Quantitative Analysis
- Operating Mode
- Connectivity & Interface

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Overview

The ELISA Microplate Reader (Model: MSBKEL10ASWISS) is an advanced analytical instrument used for detecting and analyzing specific components in biological, clinical, and research samples using enzyme-linked immunosorbent assays (ELISA) and similar experimental methods. It measures absorbance, fluorescence intensity, and chemiluminescence, making it essential in laboratories for quantitative analysis.

Key Features

Equipped with a 10.1-inch capacitive touch screen (except for BK-EL10B) for ease of use.

Provides highly accurate results with advanced detection capabilities.

Supports single and double wavelength detection methods, ensuring flexibility in experiments.

BK-EL10D operates on a Windows interface, while BK-EL10DA operates on an Android interface.

USB and RJ45 ports, along with RS-232 connectivity, provide versatility for external devices such as printers and other peripherals.

Detection Mode
Single/double wavelength options, providing flexibility in data analysis.

Qualitative Analysis
Supports open CUT-OFF decision formulas, input of judgment conditions, validity conditions, and gray area settings.

Quantitative Analysis
Equipped with multiple quantitative analysis fitting algorithms such as linear, semi-log, natural logarithm, log-log, point-to-point, and four-parameter equations.

DISPLAY & CONTROLS

Operating Mode
Can be operated via a touch screen, with support for an external keyboard and mouse.

Connectivity & Interface

Additional Information
The MSBKEL10ASWISS ELISA Reader is ideal for biological research, clinical diagnostics, and laboratories that require accurate quantification of specific components through absorbance or fluorescence-based assays. It offers reliable, high-performance analysis with an intuitive user interface and robust detection capabilities.

Technical Specifications

PARAMETER	SPECIFICATION
Measurement Channels	8 vertical optical channels.
Plate Type	96-well microplate.
Wavelength Range	400–750 nm.
Filters	Comes standard with four wavelengths (405, 450, 492, 630 nm).
Reading Range	0.000–3.000 Abs.
Linear Range	0.000–3.000 Abs.
Resolution	0.0001 Abs for precise measurements.
Repeatability	CV ≤1.0%, ensuring consistent results.
Stability	≤ ±0.005 Abs for reliable performance.
Sensitivity	≥0.01 mg/L.
Channel Difference	≤0.02 Abs, maintaining uniformity across channels.
Display	Large 10.1-inch color capacitive touch screen.
Interfaces	4 x USB 2.0, 1 x RJ45 network port, 1 x RS-232.
Dimensions	45 × 33 × 30 cm.
Net Weight	13 kg.
Power Supply	AC 220V ±10%, 50-60Hz.
Vibration Plate Function	Adjustable vibration settings with three types of vibration modes (0–255 seconds).

Optional Accessories

- Compatible with external USB and network port printers (A4 printers optional).