

ELISA Microplate Reader



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.
- Equipped with a high-precision optical system, including a high-resolution camera and a high-sensitivity photomultiplier tube (PMT), for accurate and reliable measurements.
- Equipped with a USB and RJ45 ports, along with RS-232 connectivity, provide versatility for external devices such as printers and other peripherals.

Technical Specifications:

- Measurement range: 0.000 to 2.550 (Absorbance), 0.000 to 1.000 (Fluorescence), 0.000 to 1.000 (Chemiluminescence).
- Measurement speed: 100 to 255 (0–255 seconds).
- Measurement channels: 10 (Absorbance), 10 (Fluorescence), 10 (Chemiluminescence).

Operating Features:

- Single/double wavelength options, providing flexibility in data analysis.
- Supports open CUT-OFF decision formulas, input of judgment conditions, validity conditions, and gray area settings.
- 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:

- Large 10.1" color capacitive touch screen, with support for an external keyboard and mouse.

Connectivity & Interface:

- Comprehensive interface with Ethernet, USB port, network port printers (A4 printers optional).

Physical Specifications:

- AC 200V ± 10% 50-60Hz.
- 45 Kg 33 x 30 cm.

Applications:

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.