

## Luminescence Test Plate LB 9515 for Quality Control for Microplate Readers

### Key features

The luminescence test plate for microplate readers can be used for:

- Verification and adjustment of the correct measurement position of your microplate luminometer in 96 and 384 well position (BERTHOLD Technologies' Centro/CentroXS<sup>3</sup>, CentroLIA or multimode readers Mithras and TriStar).
- Verification of detector function
- Verification of detector stability
- Verification of crosstalk performance

The luminescence test plate is designed to serve as an easy-to-use tool for testing the performance of your luminometer. The light emission is generated by state-of-the-art temperature stabilized green LED's.

Diffusers are used to simulate the light emission characteristics of "real" samples. The charging status is displayed with a green and red LED. After charging you may select between 3 different LED activations.

The test plate will be delivered with a multirange plug-in power supply in a sturdy transport case.

A special circuitry ensures that only on a sufficiently charged plate the LEDs will be activated.



### 96 well position

- measurement position 96 well format
- crosstalk 96 well format
- detector stability

### 384 well position

- measurement position 384 well format
- crosstalk 384 well format

### Overload position

- detector function

Order information	Order number
LB 9515 Luminescence Test Plate for Quality Control	40105-10
LB 9515 Luminescence Test Plate for Quality Control for CentroLIA (blue light emission)	40105-50

## Absorbance Test Plate LB 9516 for Quality Control for Microplate Readers

### Key features

The absorbance test plate for microplate readers can be used as an easy-to-use device for testing the absorbance reader's performance such as the BERTHOLD Technologies' Apollo-1 and Apollo-8 or the multimode readers TriStar and Mithras.

Optical and mechanical positioning can be tested by means of 24 alignment positions.

Measurement of graduated OD filters and target values for the wavelengths 405, 450, 492, 550 and 620 nm ensure the accuracy of the instrument.

The precision is tested by repeated measurements of the absorbance test plate.

The test plate will be delivered in a sturdy transport case.



### Alignment (position) check

- The correct alignment of optical path and plate transport is checked by measuring light transmittance of 8 precise openings of the QC plate.

### Accuracy

- The accuracy can be tested with three different neutral density filters which are calibrated against reference photometer.

### Precision

- Repeated measurements with the QC plate will ensure precise and correct function of the readers.

Order information	Order number
LB 9516 Absorbance Test Plate for Quality Control for Mithras LB 940/TriStar LB 941	50798
LB 9516 Absorbance Test Plate for Quality Control for Apollo-1 LB 911/Apollo-8 LB 912	43513