



## LED Stimulator for Multiwell-MEA amplifier: MW-Opto-Stim

- 24 or 96 well LED stimulation
- Choose from 5 different wavelengths
- Easy illumination pattern definition with Multiwell-Screen software
- Up to three independently controllable colors per well

## MW24-opto-stim

Our 24 well LED-stimulator allows for independent light activation and inhibition protocols in each well.

Three selectable, high intensity LEDs in varying colors are available per well which are configured according to your specific experimental conditions. The plates minimize well-to-well cross-talk using opaque casting materials, which are highly reflective to gain optimum light output.



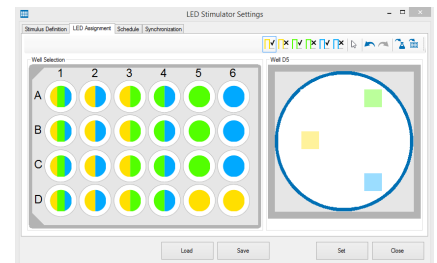
## MW96-opto-stim

In the 96 well version, one high performance LED per well can be chosen according to your individual application demands. The LEDs can be controlled individually which allows the device to optically trigger opsin-expressing pacemaker cells in cardiac cultures, or perform functional-, reporter- and expression readouts in diverse cell model systems.



## Multiwell-Screen Software

The LED stimulator is directly controlled via the MCS Multiwell-Screen Software which allows for definition of independent stimulation patterns. Additionally, LEDs can be individually activated or deactivated in each well. Light pulse patterns are automatically recorded in the software for easy data interpretation. Light triggered PSTH plots are also possible.



The device can also be used independently from the MCS Multiwell-MEA amplifier, making it an ideal tool or all non-ephys-related optogenetic approaches run on a multiwell plate format.

## Technical specifications

Time resolution	1 ms
<b>Available Colors</b>	
Blue LED	428nm or 470nm
Green LED	527nm
Red LED	590nm or 615nm

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● Made  
● in  
● Germany

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