









optogenetic flow cytometry

pxONE



opto biolabs's pxONE is an LED illumination device that combines optogenetic experiments with flow cytometry for the first time. It illuminates cell samples homogeneously and an attached water bath keeps the temperature stable. Software control allows easy selection of light intensity and exposure time (ms-min). As a result, optogenetic experiments can be analyzed with over to 30.000 cells/second at single cell resolution.

order no.	pxONE illumination device	
px-LOV	450 nm/customized	
px-Dronpa	400 nm/500 nm	
px-PhyB	650 nm/750 nm	
px-custom	2 wavelengths (365 nm - 980 nm)	
		
		

each pxONE is delivered with a pxONE-controller unit and software (for Windows 10)



compatible cytometers:

- BD LSR / LSRFortessa
- Miltenyi MACS Quant Analyzer
- BC CytoFLEX
- Cytek Aurora

ask us about compatibility for other cytometers.

software control



- quickly change wavelengths and intensity
- create illumination protocols on the go and save them for later
- keep track of everything: easily plot temperature and light intensity over time



your partner for optogenetic experiments



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