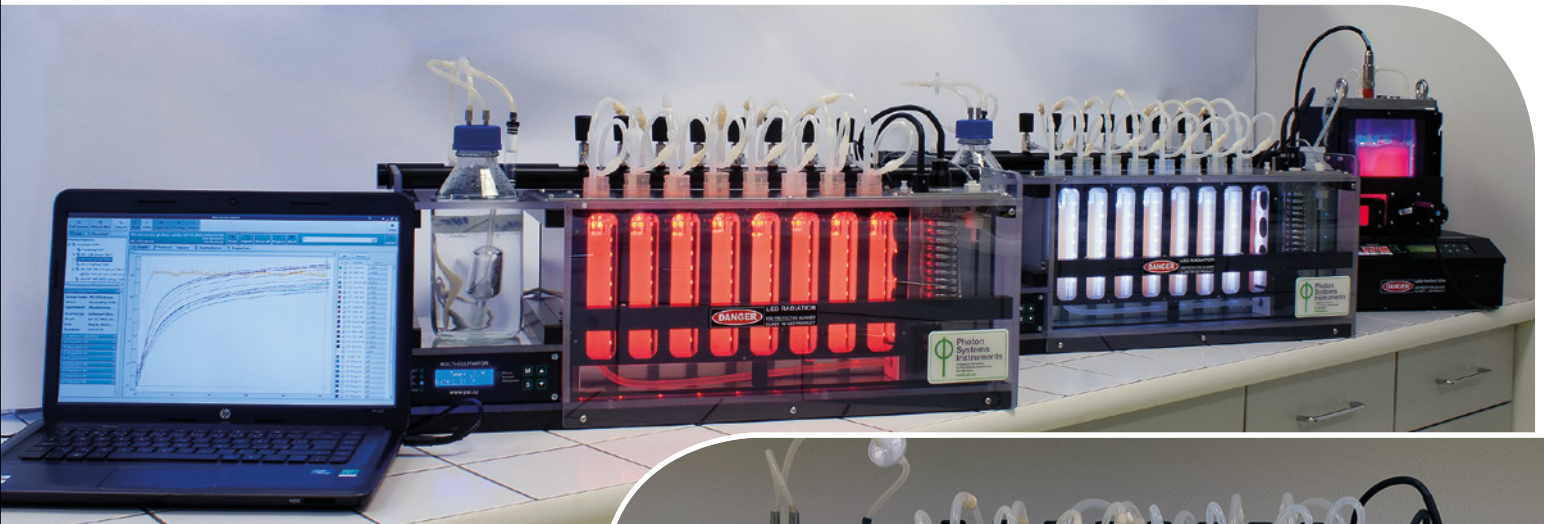


EXPLORE PSI MULTI-CULTIVATOR LINE:

Multi-Cultivator MC 1000-OD



- Small scale cultivation device for wide range of microorganisms
- Powerful tool for cultivation in parallel or in multi-variant setup



Key Features

- Sterile cultivation
- 8 cultivation vessels, each 85 ml
- Individual illumination for each vessel
- Temperature range 15–60 °C
- Controlled gas sparging
- Automatic OD reading
- Online software control

Versions

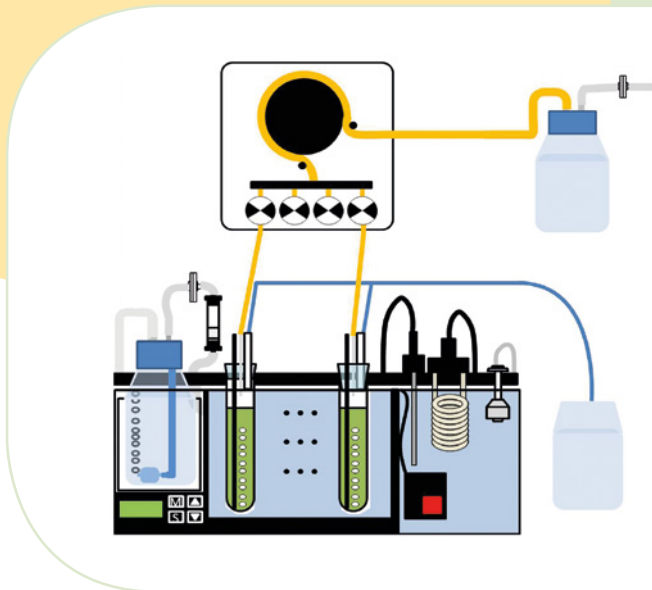
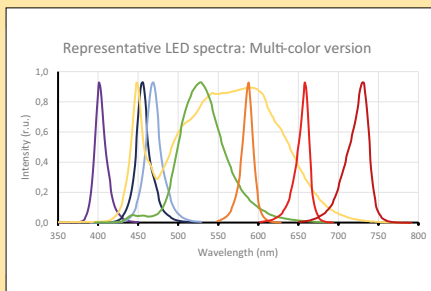
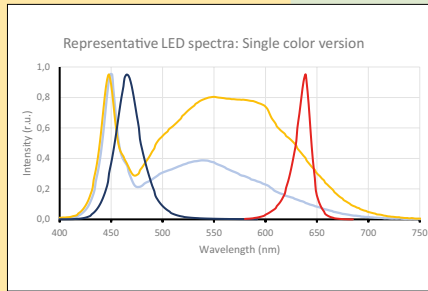
Single color	Single color illumination in all slots
Multi-color	Different colors for each slot
Mixed-color	Combination of up to 4 light colors within one slot
Turbidostat	Long-term continuous cultivation

| PSI (Photon Systems Instruments), spol. s r.o.
| Drasov, 470, 664 24 Drasov, Czech Republic

www.psi.cz

LED-Based Illumination

- Intensity up to 1,000 / 2,500 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$
- Single color version: cool white (optional warm white, red 640 nm, blue 470 nm)
- Multi-color versions: 405, 450, 470, warm white, 540, 590, 640, 730 nm
- Adjustable in intensity, timing and modulation



Application

- Synchronous multi-well cultivations
- Multiple experimental variants - up to 8 different organisms
- Controlled cultivation and growth dynamics
- Optimization of cultivation conditions
- Evaluation of stress factors
- Microorganism characterization



Extensions

- Gas Mixing System GMS 150
- Cooling Unit AC-625
- Turbidostat

Control Software With Database

- Intuitive communication interface
- User-designed light/temperature protocols and sophisticated scripting
- Real-time data visualization
- Online growth rates calculation
- Storage in database
- Remote access
- Simultaneous control of multiple devices

