



PSLfood+



PhotoStimulated Luminescence(PSL) Testing of Irradiated Food

DESCRIPTION

PSLfood – Compact PSL System for reliable detection of Irradiated Food Discover PSLfood, the smart and portable PSL system (OSL Reader) designed to make food irradiation testing faster, easier, and more reliable.

ADDITIONAL INFORMATION

Fully compliant with EN 13751:2009, PSLfood ensures accurate results wherever you need them – from the lab to on-site inspections.

With its intuitive software and compact design, PSLfood combines powerful performance with maximum user convenience. It's lightweight, easy to handle, and ready for use in laboratories, mobile units, and quality control environments.



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WHY PSLFOOD+?

- Certified compliance with EN 13751:2009
- Space-saving, compact design
- Optimized for standard Petri dishes (Ø 50 mm, height 20 mm)
- Effortless cleaning with removable tray and protective glass
- Smart, user-friendly software for smooth operation

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Specification	Details
Device	PC-controlled OSL reader for food and other samples
LED stimulation	Software-selectable IR or blue stimulation
Stimulation wavelengths	IR: 850 nmBlue: 458 nm
Stimulation power	Adjustable from 5–50 mW/cm ²
Detection unit	Photosensor with a 300–650 nm rangeTemperature-stabilized Peltier element
Detection filters	IR blocking: BG39 D25 × 3Blue blocking: U340 + BP365/50
Measurement range	6 decades
Stability	Better than 1%
Automatic system check	Reference LED and dark-count measurements

Specification	Details
Sample drawer	Automatic, removable, and easy to cleanAccommodates Ø 50 mm × 20 mm Petri dishes
Protection glass	Protects against sample spillsRemovable and easy to clean
Software	Windows software designed for routine quality controlResults table and signal displayMultiple user levelsAutomatic data storage
Evaluation	User-programmable recipesAdjustable thresholds, stimulation power, and stimulation duration
Data output	PDF reports and CSV export
PC connection	LAN connection
Power requirements	100–240 V, 50–60 Hz200 VA
Device size and weight	Approx. 160 × 180 × 265 mm (W × D × H)Approx. 7.5 kg
Carrying case	230 × 240 × 460 mm12.5 kg including device



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COMPACT

IR & BLUE

FILTER CHANGER