Bio-Spectra is an irradiation system for photo-sensibilization testing on laboratory animals (phototoxicity, photo-allergy...). The UV irradiation dosage is programmed by the user. The UV sensor continuously measures the irradiation, which stops automatically when the energy received matches the energy programmed. Thus, the system ensures an absolute reproducibility.

KEY FEATURES

- Scientific grade UV irradiation system
- Perfectly reproducible UV irradiation cycles
- Three irradiation modes (365nm or 312nm or both)
- Large irradiation area: 900 x 80 mm, enough to accommodate 10 guinea pigs simultaneously
- Excellent homogeneity of the irradiated area
- Data acquisition controlled by micro-processor
- Constant monitoring of the received energy versus the programmed energy
- Temperature, UV intensity, and time passed supervision
- At animal level, temperature does not exceed 30°C (86°F) for room temperature of 20°C (68°F)
- Optional software connection for data monitoring and recording
- Fantastic ease of use & maintenance

PUBLICATIONS

UV-induced DNA Damage and Mutations in Hupki (Human p53 Knock-in) Mice - Recapitulate p53 Hotspot Alterations in Sun-exposed Human Skin1

German Cancer Research Center, D69120 Heidelberg, Germany; IARC, F-69372 Lyon France; and Beckman Research Institute, City of Hope, Duarte California

Skin Hyperproliferation and Susceptibility to Chemical Carcinogenesis in Transgenic Mice Expressing E6 and E7 of Human Papillomavirus Type 38

International Agency for Research on Cancer, World Health Organization, Lyon, France ; Deutsches Krebsforschungszentrum, Heidelberg, Germany ; Gynäkologische Molekularbiologie Frauenklinik der FSU Jena