

XCELL 25

IRRADIATOR SYSTEMS FOR SCIENCE AND RESEARCH

The XCELL line of irradiators from KUBTEC is designed for a range of applications; animal, cell, and seed irradiation in the research environment to testing of components in commercial environments. The XCELL systems offer a safe and cost effective method for irradiating specimens in accurate repeatable monitored doses, as compared to radioisotope based systems

All shielded cabinet systems contain a high-frequency electrically generated x-ray source that requires no NRC licensing. The user-friendly controls allow the user to preset warm-up times, time formats, focal spot sizes and other operating modes. Systems are simple enough to be operated by staff with no x-ray training.

Available accessories include a turntable for uniform irradiation of specimens, various filters and collimators of different sizes.



SYSTEM SPECIFICATIONS

Cabinet Features

- Compact size
- Low dose irradiation
- 100% duty cycle

Cabinet Size and Weight

- Overall Dimensions: 11" w x 12" d x 18" h
- Irradiation Chamber: 6" w x 8" d x 1.5" h
- Weight: 70 lbs (33 kg)

Power Requirement

- 110 VAC +/- 10%, 5 Amps

High Voltage Generator

- Output Voltage: 10 - 25 kV
- Output Current: 0 – 1.0 mA

X-ray Tube

- Maximum Potential: 25 kV
- Output Power: 25 W (higher power option available)
- Focal Spot Sizes: 50 microns (0.050 mm)
- Inherent Filtration: 0.127 mm Be maximum
- Cooling: Integrated air cooled heat exchanger

Additional X-Ray Unit Features

- Automatic warm-up with Intelligent Tube Conditioning
- Complies with US FDA and International regulations for Cabinet X-ray system