

## X-ray Research Irradiators

# XR50 Research X-ray Irradiator

### Overview

The Model XR50 Research X-ray Irradiators offer a fully self-contained x-ray irradiation system that allows for maximum dose at your choice of 160kV, 225kV or 320kV with no additional shielding required. Our fail-safe design and self-contained cabinet offer a safe and easy to use system ideal for the research laboratory environment.

The large chambers sizes and adjustable shelving makes it suitable for a variety of biological research applications. Display parameters and system status are easy to read on the control panel and allow the user to quickly and accurately program repeatable exposure settings. Operation is simple, easy, and safe. Enter an exposure time and press the Expose button to begin the irradiation. A timer shows remaining time. A tone sounds when the exposure is complete.

### Advantages

- Very simple to setup and use.
- Low exterior dose rates.
- Uniform dose field with turntable.
- Fully self-contained.
- Environmental controls available.

### Features

- X-ray power up to 320 kV, 30 ma, 4200 watts.
- Over 600 settable programs allow a broad range of protocols to be stored.
- Cabinet sizes from 3 to 12 cubic feet.

### Accessories and Options

- Adjustable sample table distance.
- Preprogrammed settings.
- Facility water over oil cooling.
- Temperature and humidity control.
- Remote output for customer accessories.
- Turntables of different diameters can be provided to improve dose uniformity.
- Jigs and fixtures are available for a variety of sample holders such as cell cultures and flasks.
- Cages for small animals are also available.



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Standard Models				
Model	Working Volume	Overall Size	Power Requirement	Cooling
XR50-160	15w x 15d x 24t	44w x 34d x 77t	208-240Vac 1Ph, 30 A	Air over Water
XR50-225	15w x 15d x 24t	44w x 34d x 77t	208-240Vac 1Ph, 30 A	Air over Water
XR50-320	30w x 30d x 36t	48x x 34d x 77t	208-240Vac 1Ph, 50 A	Air over Oil