



Add more power to your benchtop

A dedicated cabinet x-ray unit for continuous cell irradiation, designed for placement directly on the lab benchtop.

The simple touch-screen control panel makes the CellRad+ easy to use for those with no x-ray training.

The CellRad+ system can be used continuously to irradiate cells without compromising sterility or security and serves as a smaller, simpler, safer and more cost effective alternative to gamma radioisotope.

Applications

- Cancer Cell Research
- Arrest Proliferation of Feeder Cells
- Tissue Studies
- Stem Cell Research
- Immunotherapy

Key Features

Up to 150kV energy range

No specialized x-ray knowledge needed to operate

Easy to use with an intuitive touchscreen control panel

Plugs into any standard A/C outlet

Integrated dosimeter with advanced Automatic Dose Control (ADC) for exact dose setting

Automatic warm-up for extended tube life

Secure system requiring a password login

Remote diagnostics and support over the web from product specialists





Cabinet Features

No additional shielding required

Electrically-operated turntable to ensure uniform dosing, 2RPM

Integrated closed-loop heat exchanger

NRTL Certified by Intertek for Electrical Safety

Interface Features

On-unit, graphical user touch-screen interface

Individual user passwords required for system operation

Excel database of exposure and user history can be downloaded to a USB drive

Programmed exposure settings and database management

Cabinet Specification

Overall dimensions:
W 21" (53cm) x D 24" (61cm) x H 30" (77cm)

Irradiation Chamber:
W 12" (30cm) D x 12" (32cm) x H 14" (37cm)

Weight: 460lbs (210kg)

Power: 100 - 230VAC $\pm 10\%$, 50/60Hz

High Voltage Generator

Maximum Output Voltage: 150kV

Maximum Current: 6.25mA

X-ray Tube

Max. Potential: 150kV

Max. Power: 940 W

Focal Spot: 2.5mm

Inherent filtration:
1.5mm Glass
0.8mm Beryllium

Beam angle: 40° divergence

Beam coverage: 12" (30cm)

Source to sample: 17" (44cm)

Operators Control

kV Setting + Display Accuracy: 10kV-150kV

mA Setting + Display Accuracy: 0.1mA-6.25mA

Exposure Time: programmable or continuous

Accessories

Conical Tube Holder

