



Radiation Ingenuity on your benchtop

A dedicated cabinet x-ray unit for 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 allows you to irradiate cells without compromising sterility or security, and serves as a smaller, simpler, safer and more cost-effective alternative to gamma radioisotope.

Key Features

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: 130kV

Maximum Current: 5mA

X-ray Tube

Max. Potential: 130kV

Max. Power: 650 W

Focal Spot: 1.0mm x 1.4mm

Inherent filtration: 1.6mm Be

Beam angle: 40° divergence

Beam coverage: 12" (30cm)

Source to sample: 17" (44cm)

Operators Control

kV Setting + Display Accuracy: 10kV-130kV in 0.1kV increments

mA Setting + Display Accuracy: 0.1mA-5mA in 0.1mA increments

Exposure Time: programmable or continuous