



# X-Ray Irradiation System

## From Core Lab to Your Lab.

Precision's CellRad is a dedicated, compact cabinet x-ray unit for cell irradiation which can be placed directly on the lab bench top - no need to transport your cells to a core irradiation facility.





The CellRad system allows you to irradiate cells in your lab without compromising sterility or security. The simple touch-screen control panel makes the CellRad easy to use for those with no x-ray training.

A smaller, simpler, safer and less costly alternative to radioisotope (gamma) and even high-power x-ray irradiators. There are no costly licensing, security, or source maintenance fees.

**Contact us today!**

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## Features & Benefits

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

Prescriptive, touchscreen control interface for ease-of-use

Password login for system security

Automatic warm-up for extended tube life

No specialized x-ray knowledge needed to operate

Remote diagnostic and support over the web

No additional x-ray shielding required

Plugs into any standard A/C outlet

NRTL Certified by Intertek for Electrical Safety

## Specifications

Energy range	10 - 130kV
Tube current	0.1 - 5mA
Tube power	650W
Dose rate (130kVp, 5.0mA)	up to: 50 Gy/min (unfiltered) up to: 13 Gy/min (0.5mm Al)
Focal spot size	1.0 x 1.4mm
Inherent filtration	1.6mm Be
Beam angle	40° divergence
Maximum coverage	12" (30cm)
Source to object distance	17" (44cm)
Exposure time	5 sec to 180 min (1 sec increments)
Power requirements	100 - 230VAC +/- 10%, 50 - 60Hz
Cooling	integrated closed-loop heat exchanger
Specimen turntable	electrically operated, 2 RPM
Dimensions external	30" H x 21" W x 24" D (77cm x 53cm x 61cm)
Dimensions internal	14" H x 12" W x 12" D (37cm x 30cm x 32cm)
Weight	460lbs (210kg)
Shipping weight	540lbs (245kg)

