

RADPlus™ Well Plate Holder



Designed to be compatible with the RS 1800•Q & 1800•Q4 Biological Irradiators, specifically configured for cell irradiation applications



Ensures Optimal Dosing

Proprietary RADPlus material aids in uniform dosing and allows for higher dose rates.

This technology ensures optimal and consistent dosing of the cells being irradiated compared to dosing in the absence of the RADPlus tool or aluminum shelf alone.

Provides Dose Rate Flexibility

The Well Plate Holder should be placed at the center of the aluminum shelf, which can be placed on the floor and shelf levels 1 or 2.

Holds Multiple Well Plates

Functions as a placeholder for standard 24 and 96 well plates.

Recommended Placement for Optimal Dosing

Place on the Aluminum Shelf on floor level, 1 or 2.

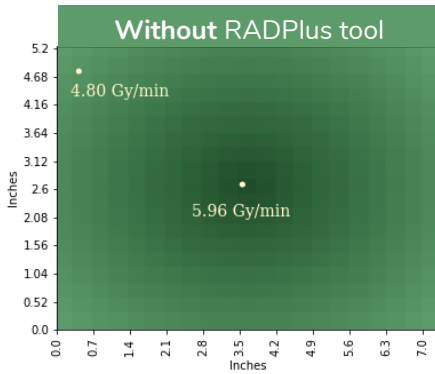
Use the four corner markings on the Aluminum shelf to position the Well Plate Holder exactly in the center.

For higher dose rates with comparable dose uniformity, use on the RADPlus shelf on levels floor, 1 and 2

(Note: Markings on the 4 corners, outside of the F ring of the RADPlus shelf should be used to align the well plate holder. For more information on the RADPlus Shelf, please refer to the RADPlus Shelf product sheet).

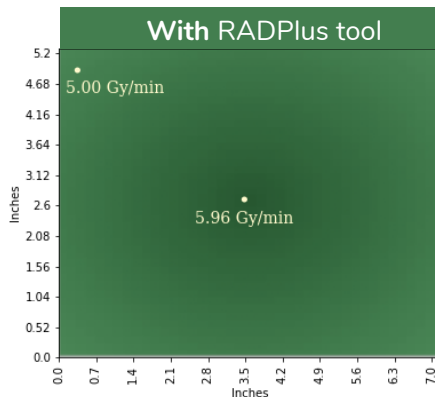
RADPlus™ Superior Dose Uniformity Demonstrated on Heat Maps

Uniform dosing is important to ensure that the cells receive consistent dosing across the RADPlus tool.



The heat map above shows **less consistent** dosing **without** the RADPlus tool.

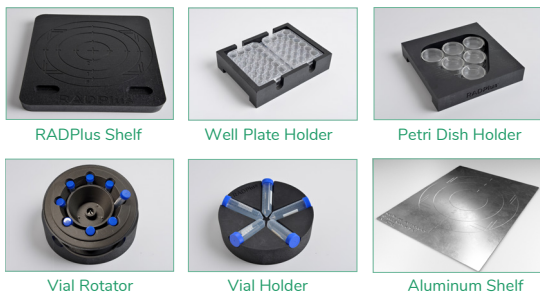
Dark green areas signify higher dose rates whereas light green areas signify lower dose rates.



The heat map above shows **consistent** dosing **with** the RADPlus tool.

Little to no variance of the color green across the heat map signifies uniform dosing throughout.

Visit our website using the QR code below for more info on our other RADPlus Research Solutions.



Technical Specifications

2 kW Irradiator	Dose Rate	Flatness
Shelf 2	16 Gy/min	45%
Shelf 1	10 Gy/min	75%
Floor	5 Gy/min	85%

4 kW Irradiator	Dose Rate	Flatness
Shelf 2	32 Gy/min	45%
Shelf 1	20 Gy/min	75%
Floor	10 Gy/min	85%

Dimensions	8.00" x 6.00" x 1.75"
Weight	2.77 lbs

Note: Dose rate specified above is the minimum dose rate across the RADPlus material.

Measurements above are provided for the Well Plate Holder on our Aluminum Shelf. For measurements of the Well Plate Holder on the RADPlus Shelf, contact Rad Source.

$$Flatness = 100 \times \frac{D_{min}}{D_{max}}$$

ORDERING INFORMATION

- Well Plate Holder RS# 1402273

Heat map measurements were taken for the 2kW irradiator. Dose rates specified in the heat maps would be doubled for the 4kW irradiator.



Rad Source is a global leader in developing x-ray solutions for life science. Our mission is to develop innovative x-ray technologies that enable our customers to improve the world through life science research and life saving innovation. Whether our customers are doing cell or cancer research, solving life's most challenging issues or preventing the spread of infectious diseases, we are here to support them. Our global network of employees and partners deliver an unrivaled combination of the world's most innovative x-ray based life science solutions and a highly trained and responsive global service and support footprint. RADPlus research tools are for use with Rad Source equipment ONLY.

For more info, visit www.radsorce.com or call 678-765-7900

