

# RADPlus™ Petri Dish 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.

## Holds Multiple Petri Dishes

- 100 mm x 15 mm (3 plates)
- 60 mm x 15 mm (6 plates)
- 35 mm x 10 mm (14 plates)

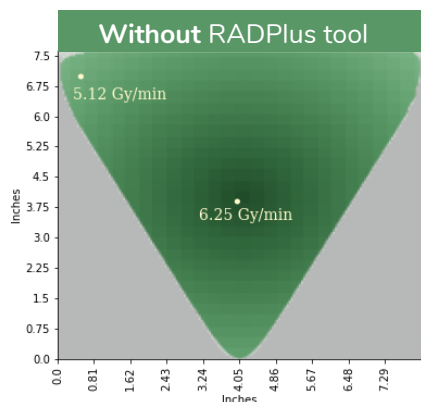
## *Recommended Placement for Optimal Dosing*

*Place on the Aluminum shelf on the floor of the chamber.*

*Use the outer ring on the Aluminum shelf to position the Petri Dish Holder exactly in the center. The four sides of the Petri Dish Holder should align with points on the outer most ring. For more information on the Aluminum Shelf, please refer to the Aluminum Shelf product sheet.*

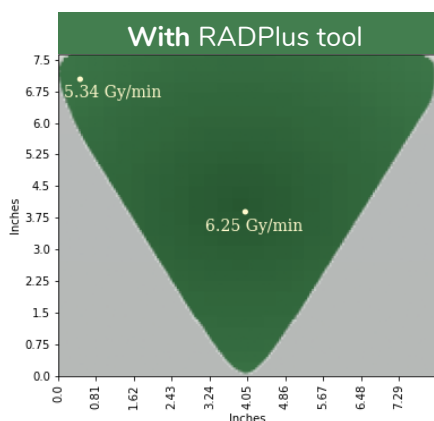
# RADPlus™ Superior Dose Uniformity Demonstrated on Heat Maps

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.



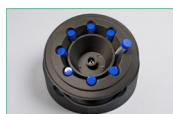
RADPlus Shelf



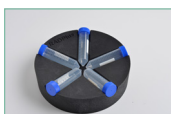
Well Plate Holder



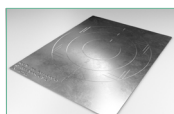
Petri Dish Holder



Vial Rotator



Vial Holder



Aluminum Shelf



## Technical Specifications

	2 Kw Irradiator	4 kW Irradiator
Dose Rate	5 Gy/min	10 Gy/min
Flatness	85% or higher	
Dimensions	10.00" x 10.00" x 1.75"	
Weight	7.90 lbs	

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

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

## ORDERING INFORMATION

• Petri Dish Holder

RS# 1402272

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.radsources.com](http://www.radsources.com) or call 678-765-7900

