

RADPlus⁺™ Vial 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 absence of the RADPlus tool.

Angle of Inclination

Vial holding inclination angle serves to better position the target in the radiation field for optimal dosing.

Sample Size & Flexibility

For use with vials and tubes with volumes of 2 mL to 50 mL

Multiple vial and tube sizes can run simultaneously.

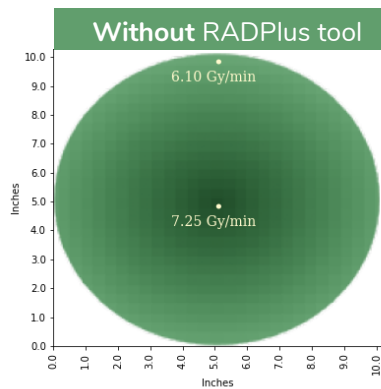
Recommended Placement for Optimal Dosing

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

Use the outer ring on the Aluminum shelf to position the Vial Holder exactly in the center of the field.

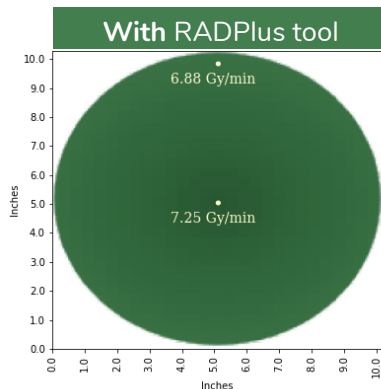
RADPlus™ Superior Dose Uniformity Demonstrated on Heat Maps

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.

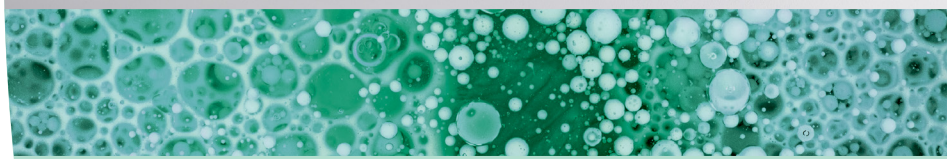
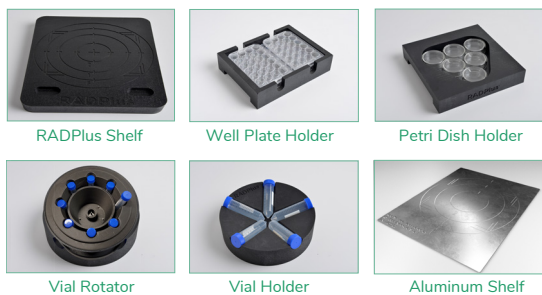
Dark green areas signify higher dose rates whereas light green areas signify lower dose rates.



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	4 kW Irradiator
Dose Rate	6 Gy/min	12 Gy/min
Flatness	95% or greater	
Dimensions	Diameter: 10.0" Height: 2.5"	
Weight	9.4 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

- Vial Holder

RS# 1402270

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.

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