

*Best*<sup>®</sup>  
Theratronics



**Raycell<sup>®</sup> Mk1**  
X-ray Blood Irradiator

# Technical Specifications

Weight		Photon Energy
600 kg (1309 lbs)		160 keV max, 60–80 keV average
Floor Point Loading		Cooling System
76 kg/cm <sup>2</sup> (1091 lbs/in <sup>2</sup> )		Self-contained cooling system — no external water required
Dimensions		Electrical Requirements
Height	1255 mm (49.4 in)	Single-phase 60Hz, 21A typically at 208V
Width	1180 mm (46.5 in)	Single-phase 50Hz, 19A typically at 230V
Assembled Depth	975 mm (38.4 in)	Environmental Requirements
Uncrated Depth	870 mm (34.25 in)	Temperature: 10°–30°C (50°–86°F); Relative Humidity: 5%–75%

Canister Features	
Volume	1.6 L
Diameter	173 mm (6.8 in)
Height	79 mm (3.1 in)
Estimated Number of Bags per Cycle	3 Bags, 300 ml each
Central Dose Rate	~6.3 Gy/min
Time for 25 Gy Central Dose	~5 min
Dose Uniformity	19.6 to 34.3 Gy (1.75:1)
Time for 25 Gy Minimum Dose	~6 min
Dose Uniformity	25 to 43.8 Gy (1.75:1)

Options & Accessories
Barcode Reader
Syringe Holder
LIMS Connection
Printer Connection
Additional Canisters
Irradiation Verification Indicators
Service Agreements
Dosimetry
UPS

Pending 510(k) approval

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CE 0086

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