Best® Theratronics



Raycell® Mk1

X-ray Blood Irradiator

Technical Specifications

Weight		Photon Energy
650 kg (1433 lbs)		160 keV max, ~50 keV effective energy
Floor Point Loading		**Cooling System**
76 kg/cm^2 (1091 lbs/in^2)		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
Height	79 mm
Estimated Number of Bags per Cycle	3 Bags, 300 ml each
Central Dose Rate	~6.0 Gy/min
Time for 25 Gy Central Dose	~5.3 min
Dose Uniformity	1.55 : 1
	19.6 to 30.4 Gy
Time for 25 Gy Minimum Dose	~6.3 min
Dose Uniformity	1.55 : 1
	25 to 38.8 Gy

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

BT/MF 8017 RCMK1 (11)

CE 0459

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