

GSR D1

Optimal Solution for Gamma Irradiation in Research

GSR D1

gamma irradiator is the optimal solution for gamma irradiation in radiobiological research.

High performance: large irradiation volume with a low surface dose rate.

Irradiation Chamber

The 400x400x400mm dimensions of the GSR D1's irradiation chamber combined with three irradiation levels enable optimum positioning of the object to be irradiated. Cable input/air access points are built into the irradiation chamber.

Dose Rate

The activity of the Cs-137 sources and thereby the dose rate can be optimised in accordance with the user's requirements.

Operation

The GSR D1 is user-friendly, thanks to the high quality of the reliable components and the unit's comprehensive safety system. A display shows the current operational status.

Radiation Safety

The GSR D1 is a self-shielding gamma irradiator with a maximum surface dose rate of $<5\mu\text{Sv/h}$ at a maximum activity of 200 TBq Cs-137.

Safety Features

- key switch
- in the event of a black out, the irradiation cycle will continue for up to 300 min
- Independent locking of irradiation chamber and loading hatch
- Continuous monitoring and control of the unit before and during irradiation procedure



Technical Specification

Irradiation unit

Weight:	4300 kg
External dimensions:	Height: 1520 mm Width: 1210 mm Depth: 690 mm
Recommended room size:	min. 2 x 2 m
Electrical supply:	120V/230V
Room temperature:	+ 5 to + 40 °C
Battery back-up:	Yes

Irradiation chamber

Dimensions:	400 x 400 x 400 mm
Volume:	64 litres
Irradiation levels:	3
Cable input/air access points:	5

Radiation source

Source activity:	Cs-137 up to 200 TBq
Surface dose rate:	$< 5 \mu\text{Sv/h}$

Accessories (on request)

Collimators
Attenuators
Rodent holders

Manufacturer:
Gamma-Service Medical GmbH
Bautzner Straße 67A
04347 Leipzig
Germany

Phone: +49 341 46372-800
Fax: +49 341 46372-822
E-mail: gsm-contact@ezag.com
www.gamma-medical.de



Eckert & Ziegler

Gamma Service Medical