

FLUKE®

Biomedical

Nuclear Associates 06-201

Multi-Dosimeter Calibrator

Operators Manual

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Table of Contents

Section 1:	Instructions	1-1
1.1	Instructions	1-1

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Section 1

Instructions

1.1 Instructions

The Multi-Dosimeter Calibrator contains a license-exempt, hermetically sealed ^{137}Cs source (9 μCi) located along the axis of the cylindrical block. Up to six dosimeters can be checked at one time.

To use the Calibrator, remove the protective end cap from the dosimeter, zero it, and place it (with the charging end down) in one of the six holes in the block. Some dosimeters with smaller diameters will fit loosely in the holes. In order to provide repeatable readings, we recommend that these dosimeters be positioned at an angle within the holes, with their tops nearest the central axis.

The Multi-Dosimeter Calibrator is not an absolute calibration device. It may be used on a routine basis to determine whether a dosimeter is functioning properly. Typically, a 6-hour exposure of a properly calibrated 200 mR dosimeter will yield readings from 25 to 35 mR.

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