

## DOSIMETER CONTAINER AND DOSAGE MEASURING BODY

## ABSTRACT

To provide a dosimeter container that contributes to both sophistication in measurement accuracy of a radiation dosage and downsizing of a measuring apparatus. A dosimeter container 10 of the present invention comprises a housing portion 11 and a shield portion 12 that surrounds the housing portion 11. The housing portion 11 houses a radiation dosage measuring device for measuring a dosage of predetermined radiation other than neutron radiation. Further, the shield portion 12 is composed of a member made of a material that transmits predetermined radiation and shields neutron radiation. It is preferable for the shield portion 12 to be an LiF sintered body, in particular, a  $^6\text{LiF}$  sintered body. Further, the shield portion 12 includes at least two or more shield portion components (a body portion 12A and a lid portion 12B), in which adjacent members can abutt against each other, more preferably, can fit with each other. The size of the housing portion 11 is substantially the same as or larger than the size of the radiation dosage measuring device; and the housing portion 11 extends over the entirety of the components. The dosimeter container 10 is preferably used as a dosage measuring body 1 having a radiation dosage measuring device 51 stored in the housing portion 11.

[FIG. 1A]