

dose-map™ dosimetry system

easy to use verification of a blood irradiator's performance

description

Dose-Map™ provides a simple and proactive method of assuring the dose delivered by a blood irradiator. It's a quick and easy procedure anyone who knows how to operate a blood irradiator can do. The Dose-Map cassette is placed inside the irradiator for one cycle. Inside the Dose-Map cassette is a piece of Gafchromic™ film, the world's highest resolution dosimeter. The Gafchromic™ film allows for a clear and accurate picture of how the irradiator is operating during a normal irradiation cycle. Additionally, the Dose-Map™ measurements are indexed to alanine which is co-irradiated with the Gafchromic™ film. Alanine is an internationally recognized dosimetry transfer standard. After irradiation, the Dose-Map cassette is simply returned to Ashland for analysis and you will be issued a Dose-Mapping report.

as easy as 1-2-3

1. receive your dose-map™ cassette from Ashland
2. place the cassette into the canister and run a normal cycle
3. send the irradiated cassette back to Ashland

exhibit: 1



application

Once the irradiated cassette is received by Ashland, Ashland will analyze the film inside the cassette and send you a report. This report will have a dose distribution chart (exhibit: 2) and a color-coded dose contour plot (exhibit: 3) that shows the distribution of the absorbed dose in the canister.

exhibit: 2

irradiator canister dose distribution
XYZ hospital
irradiator type, serial number XXXXX

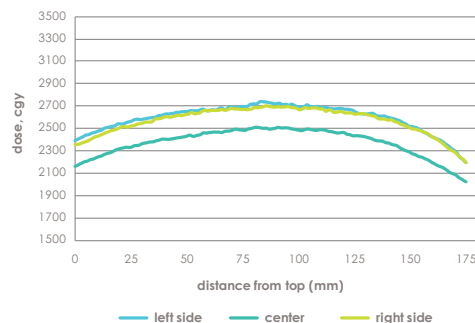
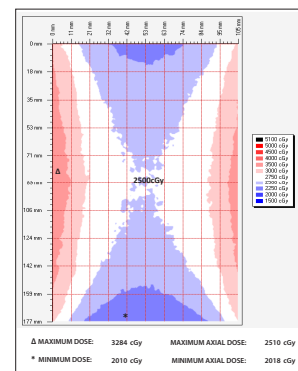


exhibit: 3

facility name
irradiator type, serial number XXXXX
exposure date





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