



DOSIMETRY QUICK REFERENCE GUIDE

- x Dosimetry is required for all individuals working with gamma and high energy beta emitting isotopes (^{22}Na , ^{125}I , ^{131}I , $^{99\text{m}}\text{Tc}$, ^{51}Cr , etc.) except as noted below.
- x Radiation Workers without dosimetry may perform limited tasks approved and supervised by an Authorized User or Advanced Radiation Worker. Individuals without dosimetry should not be exposed to dose rates >2 mr/hr and should not be allowed to frequent areas with dose rates > 0.2 mr/hr. These radiation exposure levels are for whole body dose rates as measured at 30 cm (approximately 1 foot) from the radiation source.
- x Extremity monitoring (finger) is required for individuals working with gamma and high energy beta emitting isotopes.
- x Dosimetry is not required for personnel working in laboratories permitted only for milliCi quantities of isotopes which emit primarily beta radiation with energies below 250 keV (^{3}H , ^{14}C , ^{35}S , and ^{33}P). The exclusive use of ^{125}I immunoassay kits with < 10 microCi per kit is also exempted.

x Individuals required to have dosimetry must fill out and submit request forms to the Environmental Safety Division.

- x Dosimetry may be discontinued for individual workers on a case by case basis if historical data indicates that exposures are consistently minimal. This determination will be made by the radiation safety staff. In most cases a representative individual in the laboratory who performs the majority of the radiological work will continue to have their exposure monitored with dosimetry.