

DOSIMETRY QUICK REFERENCE GUIDE

- Dosimetry is required for all individuals working with gamma and high energy beta emitting isotopes (P-32, I-125, I-131, Na-22, Tc-99m, Cr-51, etc.) except as noted below.
- 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.
- Extremity monitoring (finger rings) is required for all individuals performing operations that involve direct handling of individual quantities of ≥ 1 milliCi of P-32 or other gamma and high energy beta emitting isotopes.
- 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 (H-3, C-14, S-35, and P-33). The exclusive use of I-125 immunoassay kits with < 10 microCi per kit is also exempted.
- Individuals required to have dosimetry must fill out and submit request forms to the radiation safety office. Dosimetry request forms are available from the radiation safety section of the ESD website at <http://www.esd.uga.edu/>. Allow a minimum of two weeks time for procurement of dosimetry. Dosimetry is a service provided by the Environmental Safety Division.
- 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.