

Environmental Health and Safety
2220 Circle Drive
Cleveland, Ohio 44106
P: (216) 368-2906
F: (216) 368-2236
cwruehs@case.edu

Carbon (C-14)

Half Life: 5730 years

Radiation: Beta (low energy)

Shielding: None required

Dosimetry: Body badges when handling

Detection/Measurement: GM meter with pancake probe, wipe tests

General Precautions:

Maintain your occupational exposure to radiation As Low As Reasonably Achievable [ALARA]

All persons handling radioactive material must be properly trained by EHS prior to handling and are listed as a rad worker by EHS department

Plan experiments accordingly to minimize external exposure by reducing exposure time, using shielding and increasing your distance from the radiation source

Monitor yourself and the work area during and after each use

