

SOP No: 004

Version No: 1.1

Date: 20<sup>th</sup> July 2006

**TITLE: USE OF RADIATION IN RESEARCH**

1. Scope

- 1.1. Within the Discipline of Pharmacology most radiation work will involve the use of Unsealed Sources of <sup>14</sup>C or <sup>3</sup>H.
- 1.2. These sources generally represent a negligible risk of radiation injury if precautions are taken to avoid ingestion or accidental application to the eye.
- 1.3. Gloves, safety glasses and a high standard of laboratory hygiene are normally sufficient precautions.

2. Procedures

- 2.1. All radiation work the University of Adelaide must adhere to the regulations set out in: <http://www.adelaide.edu.au/hr/policies/ohs/radiation.html>
- 2.2. Prior to commencing work involving radioactivity, workers must report to the Area Radiation Officer ([Dr Rod Irvine](#)) to register and obtain approval for the proposed work.
- 2.3. All radiation work taking place within the Discipline of Pharmacology must take place in the appropriately designated and licensed radiation laboratory.
- 2.4. All radiation laboratories have instructions on working and reporting procedures posted near the door. These notices also indicate emergency procedures.