

**IONISING RADIATIONS REGULATIONS 2017  
PROPOSAL TO WORK WITH RADIOACTIVE SOURCES**

**RISK ASSESSMENT:**

Under the above regulations it is required that a “Suitable and Sufficient” risk assessment be made for all work practices. This **must** be done and approved by RPO **before** any work can commence and be reviewed if work practices change.

<p><b>RISK ASSESSMENT</b> <b>Proposal to work with open/sealed sources of ionising radiation</b></p>
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**Name:**

Staff  Post graduate student  Visitor  Undergraduate student

**Project title/Procedure:**

**Academic supervisor:**

Additional Lab supervisor (required for Undergraduate students):

**Detail of work involving radioactive materials. Things to include could be; apparatus used procedural outline, other chemicals used, special equipment, and extreme temperatures.**

## Radioactive sources (include radionuclide & activity)

Have you considered ALARP? Are you using the minimum amount of activity for your experiment to work? Could you use alternative isotopes which would lead to a smaller dose being received?

Principle hazards:

<b>Emissions:</b>	<b>Alpha</b>	<b>Beta</b>	<b>Gamma</b>	<b>Other</b>
<b>Principal energies keV</b>				
<b>Dose in <math>\mu\text{Sv/h}</math> at 10 cm Without shielding</b>				

Where will the work be carried out?

Fume hood  Glove box  Bench in Supervised area  Controlled Area   
Counting room/prep room  Other  please give details:

Safety precautions or shielding to be used during project (**Please tick all that apply**)

Perspex shielding  Lead shielding  Lead impregnated Perspex  spill trays   
Specialised equipment  Other  please give details:

**Please note lab coats, gloves and safety glasses are compulsory at all times while working within the radiochemistry laboratories.** However are there further protective equipment/measures that need to be taken?

What monitoring equipment will be used during the project/procedure?

Possible accident situations and steps required to limit consequences:

(Examples could include contamination, spillages, personal injury)

Have you received the following guidance/training?

Local rules  Lab induction  Monitoring  Dispensing  Waste disposal

Any further training required?

To be filled out by Academic Supervisor

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Signature of Academic Supervisor:

To be filled out by RPS

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Please check if one of the following Dosimetry badges is required (speak to RPO if unsure)

Monthly TLD badge  Quarterly TLD badges  Extremity finger badge

Signature of Radiation Protection Supervisor:

Date:

To be filled out by RPO

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Approved by Radiation Protection Officer:

Does the risk assessment need to be referred to Radiation protection subcommittee or Radiation Protection Advisor?

Signature of RPO:

Date:

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