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| **Radiation Use Authorization (RUA)**  ***For Radioactive Materials***  When you have completed the form, please send a signed word version to[**irsc@KAUST.edu.sa**](mailto:irsc@KAUST.edu.sa)**.** | |
| **General Information** | |
| **Application Type** | Choose |
| **Principal Investigator** | Click or tap here to enter text. |
| **PI email** | Click or tap here to enter text. |
| **Build Room *(e.g.B5-1234)*** | Click or tap here to enter text. |
| **Phone # office and mobile** | Click or tap here to enter text. |
| **Lab Safety Representative** | Click or tap here to enter text. |
| **Email** | Click or tap here to enter text. |
| **Phone # office and mobile** | Click or tap here to enter text. |
| **Build Room *(e.g.B5-1234)*** | Click or tap here to enter text. |

**How to complete the RUA:**

* For Unsealed radioisotope experiments, please complete section 1
* For Sealed radioisotope, please complete section 2

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| **Not Applicable** | **Section 1 - Unsealed Radioisotopes Experimental Details** |

* **Repeat this table for each radioisotope:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Experimental title** | Click or tap here to enter text. | | | | | |
| **Radioisotope** | Choose | | | **Use Location** | RLCL | |
| **Briefly describe the workflow of the experiment, providing adequate detail for the committee to assess the distribution of the radioactivity in the experiment and the safety measures taken. The description should support the information provided in the estimated waste table below.** *Include chemicals used (name and quantity), equipment used (i.e., fume hood, biosafety cabinet, PPE).*  ***A separate detailed operation procedure must be set up with the RLCL before starting the experimentation.*** | | | | | | |
| Click or tap here to enter text. | | | | | | |
| **What measures have you taken in the design of the experiment to minimize the radioactive waste volume?** *e.g. use of bio-safe liquid scintillation cocktail, training of staff to on procedures without radionuclide, etc.* | | | | | | |
| Click or tap here to enter text. | | | | | | |
| **HSE mandatory training:** | | ☐ [Radioactive Materials](https://lms.salutesafety.com/course/view.php?id=47) | | | | |
| **Estimated Monthly Waste** **based on the use of the whole stock** | | | | | | |
|  | | | **Activity (mCi)** | | | **Quantity** |
| **Radioactive liquid waste water soluble**  *Includes biosafe liquid scintillation cocktail that contains radioactive sample* | | | Click or tap here to enter text. | | | Enter quantity in mL |
| **Radioactive solid waste** | | | Click or tap here to enter text. | | | Choose an item. |
| **Radioactive gaseous waste** | | | Click or tap here to enter text. | | | Enter quantity in mL |
| **Radioactive mixed liquid waste (Total amount)**  *Includes waste that is radioactive and contains hazardous chemical (non-biosafe liquid scintillation cocktail, chemicals that can ignite, corrode react, inflammable, toxic, etc.)* | | | Click or tap here to enter text. | | | Enter quantity in mL |
| **Radioactive mixed solid waste**  *Includes waste that is radioactive and contains hazardous chemical (non-biosafe liquid scintillation cocktail, chemicals that can ignite, corrode react, inflammable, toxic, etc.)* | | | Click or tap here to enter text. | | | Enter quantity in mL |
| **Liquid scintillation vials**  *Indicate approximate number of vials used per month in the quantity column* | | | Enter total radioactivity in all vials | | | Enter total number of vials |
| Indicate the volume in mL for each vial |

If you want to repeat this table, click on the plus sign located on the bottom right side of the table

|  |  |  |  |
| --- | --- | --- | --- |
| **Unsealed Radioactive Materials Summary** | | | |
| **Radioisotopes** | **Chemical & Physical Form** | **Maximum Number of Orders per Month** | **Maximum Activity per Order (µCi)** |
| Choose |  |  |  |
| Choose |  |  |  |
| Choose |  |  |  |
| Choose |  |  |  |

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| **Not Applicable** | **Section 2 - Sealed Radioisotopes Information** |

* **Repeat this table for each radioisotope:**

|  |  |
| --- | --- |
| **Radioisotope** | Choose |
| **Use location** | Click or tap here to enter text. |
| **Storage location** | Click or tap here to enter text. |
| **Max Activity per source** (mCi) | Click or tap here to enter text. |
| **Max number of sources** | Click or tap here to enter text. |
| **Is the sealed source part of an equipment** | Choose |
| **If yes, please enter equipment model and manufacturer** | Click or tap here to enter text. |
| **Manufacturer of the source** | Click or tap here to enter text. |
| **Model number of the source** | Click or tap here to enter text. |
| **Estimated date of delivery** | Click or tap here to enter text. |
| **HSE mandatory training:** | ☐ [Radioactive Materials](https://lms.salutesafety.com/course/view.php?id=47) |
| **Describe intended use** *(e.g. Gas Chromatography, sealed source for calibration)* | |
| Click or tap here to enter text. | |

If you want to repeat this table, click on the plus sign located on the bottom right side of the table

**Certification and signature:**

**Authorized Users:**

The PI is responsible for ensuring that personnel have completed all HSE required training including radioactive material Safety Training, RLCL Facility training, and are adequately proficient in the study specific experimental procedures and handling of radioisotopes. *Authorized user and dosimetry form* must be completed and attached for each user.

**All radioactive materials orders must be done through the RLCL once the RUA is approved.**

The PI is responsible to notify the [RSO and IRSC](mailto:rso.dl@kaust.edu.sa) before any of the following actions:

* Moving/transfer the material outside the lab
* Disposing any liquid or solid waste
* Handling any Radioactive Materials not specified in this RUA

**PI Name:** Click or tap here to enter text. **Date:** Click or tap to enter a date.

**Signature: **