

LMMS User Guide

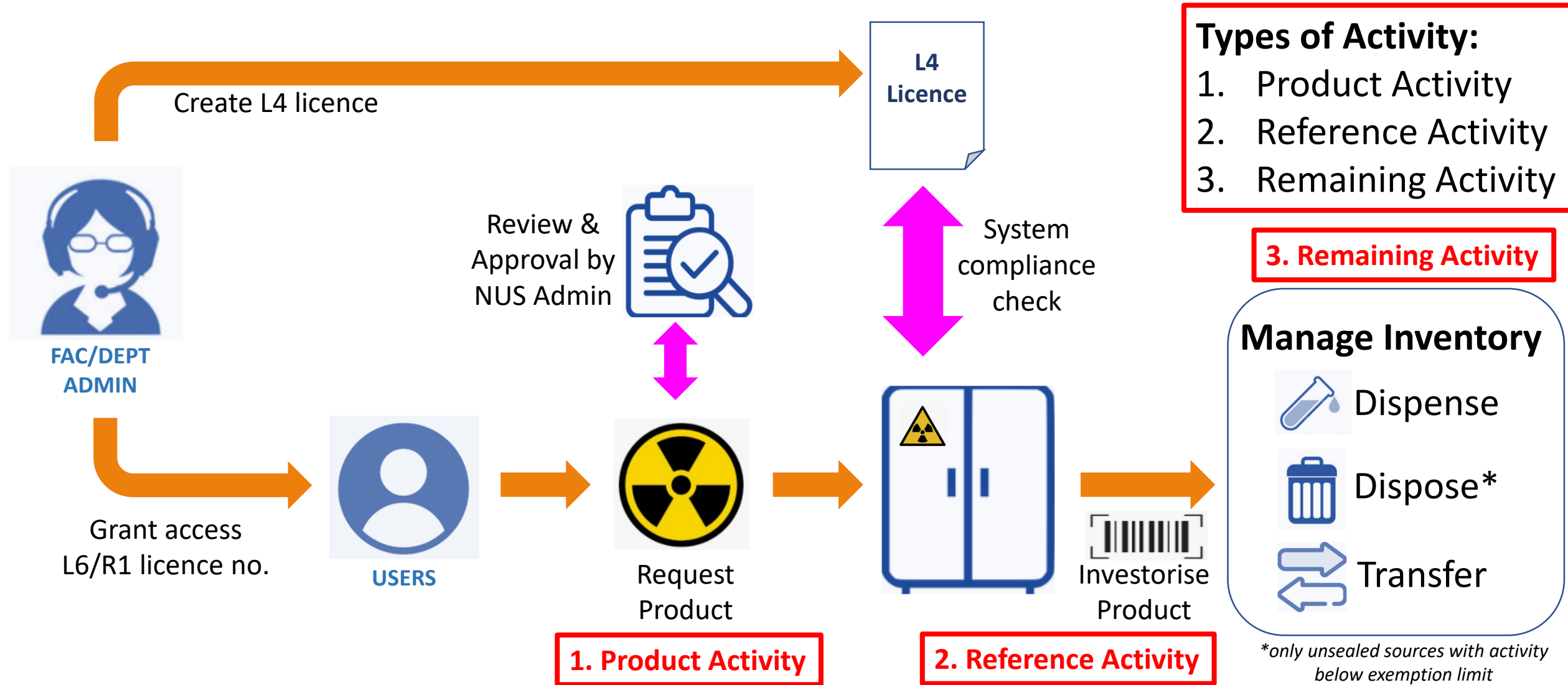
(Radioactive Materials Module)

LMMS access: <https://aces.nus.edu.sg/lmms>

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- A. [LMMS \(Radioactive Materials\) System Overview](#)
- B. [LMMS \(Radioactive Materials\) How & where to access the system?](#)
- C. [Step-by-step guide for Faculty /Department Administrators](#)
- D. [Step-by-step guide for PI/Researcher/Lab Administrators](#)

A. LMMS (Radioactive Materials) System Overview



B. LMMS (Radioactive Materials) How & where to access the system?

OSHE Staff Portal

<https://staffportal.nus.edu.sg/staffportal/portal/safety-security-and-sustainability.html>

Staff Portal 2.1
Circulars Policies Forms Dept Directory Library Glossary

Home eServices Staff Handbook Careers

Safety, Security & Sustainability

- Need Help?
- Campus Safety and Health
 - Emergency management, event and life safety, fire safety and business continuity
 - Laboratory, office & general workplace safety
 - General enquiries
 - NUSafe
 - Campus Security
 - Environmental Sustainability
- General Safety & Health
 - Policy
 - Directives
 - Manuals and Standards
 - Forms
 - Checklists
 - Posters
 - First Aid Programme
 - Office Safety Programme
 - Information on Slips, Trips and Falls
 - Prohibition of Smoking on NUS Campus
 - NUS Smoke-free Campus Boundaries
 - Register of safety & health regulations applicable to NUS
 - List of workplaces and workplace numbers in NUS
 - Safety Considerations for students on internships/attachments
- Crisis & Emergency
 - Policy
 - Manuals and Standards
 - Procedures
 - NUS CEM Team SOP
 - Crisis Management Revisited - Managing Mental Health Cases
 - Guidelines for Activating the Recovery Room Process at Hostels
 - COVID-19 Guidance on Communications for Contact Tracing
 - Response plans and guidelines
 - Templates
 - AED deployment in NUS Campuses
 - Daily Temperature Declaration
 - NUS SGSecure
- General Laboratory
 - General Lab Safety Programme
 - Eye and Face Protection Requirements in Laboratories and Workshops
 - Directives
 - Manuals and Standards
 - Procedures
 - Forms
 - Checklists
- Physical Safety
 - Physical Safety Programme
 - Manuals and Standards
 - Forms
- Consultation
 - NUS Community-Wide Consultation
- Overview of Campus Safety & Health
 - Introduction to Safety in NUS

Tools

- Online Regulated Material Identifier (ORMT)
- Laboratory Materials Management System (LMMS) NEW**
- OSHE Standard Lab Sign Board Generator
- Construction hazard sign
- Activity-based risk assessment

<https://inetapps.nus.edu.sg/osh/portal/Tools/LMMS.html>

myEMAIL IVLE LIBRARY MAPS CALENDAR SITEMAP CONTACT

NUS National University of Singapore

Search search for... in NUS Websites

GO

HOME SAFETY, SECURITY & SUSTAINABILITY

Office of Safety, Health & Environment

Procurement and Inventory Management of Hazardous Materials in Laboratories

Launch LMMS

The NUS Laboratory Materials Management System (LMMS) was developed in 2016 to enhance the management of regulated chemicals. Introduced to laboratory-based departments in phases, the campus-wide implementation of LMMS was completed in Q4 2018.

The LMMS serves as an electronic inventory management tool that provides an overview of chemicals that are in possession by the respective laboratories. It also ensures that the regulated chemical stocks are managed effectively. LMMS is mobile-enabled and will allow authorised personnel to have quick access to inventory records in emergency response situations via mobile devices.

To provide a seamless integration of procurement with the inventory management system, the [Laboratory Materials Purchase Requisition System \(LMPRS\)](#) was introduced in 2019. Chemicals purchased through LMPRS are directly credited into the Principal Investigator's account in LMMS.

C. Faculty /Department Administrators

1. Manage:
 - a. Manage Radioactive Material Possession Licence
 - b. Manage Radiation Licence Holder

2. Search Inventory:
 - a. Radioactive Materials Inventory

3. Report:
 - a. Radioactive Materials report

1a. Manage Radioactive Material Possession Licence



Name of 00045016 (Faculty Administrator)

Home **Manage** Search Inventory Report Switch Role Logout

User Guide FAQ

Manage User Access ▶

Chemical ▶

Radioactive ▶

Welcome to Laboratory Material Management System

Manage Radioactive Material Possession Licence

Manage Radiation Licence Holder

1a. Manage Radioactive Material Possession Licence



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Manage Radioactive Material Possession Licence - Search

Duration

Start Date

End Date

Faculty / RIRC

Please Select

Department

Unselected (Empty list)

Filter

→ →

Selected (Empty list)

Filter

← ←

Location

Unselected (Showing all 308)

Filter

→ →

- DSO > 03 > 01
- DSO > 03 > 01 > COVE ME LAB
- DSO > 04 > 03
- DSO > 04 > 03 > HISTOLOGY LAB
- DSO > 04 > 03 > LEE EH & HUI HPJ LAB
- DSO > 04 > 03 > WONG HK LAB

Selected (Empty list)

Filter

← ←

Licence Number

Radionuclide(s)

Search

Add

Add new licence

Search Result

No record found.

1a. Manage Radioactive Material Possession Licence



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout User Guide FAQ

Manage Radioactive Material Possession Licence (New)

Licence Number *

L4/5555/4444

Duration *

11-Nov-2020

18-Feb-2021

Faculty / RIRC *

YONG LOO LIN SCHOOL OF MEDICINE

Department *

Unselected (Showing all 20)

Selected (Showing all 1)

Filter

Filter

ANAESTHESIA
ANATOMY
BIOCHEMISTRY
CME
DGMS
DIAG-RADIO.

DEAN-MED

Particulars of Radioactive Material *

Radionuclide(s)	Manufacturer	Source Type	Product Activity Per Unit	Max Quantity	Max Activity	Location
No matching records found						

Submit Back

Fill up details from L4 licence

Add particulars of radioactive materials here

1a. Manage Radioactive Material Possession Licence

Add

Radionuclide(s) * C-14

Source Type * UNSEALED

Activity Type * Product Activity Per Unit Max Activity

Product Activity Per Unit *
^ C-14
 Real Number Scientific Notation
10
Activity in real numbers E.g.0.0001092
MILLICURIE
Unit of Measure for Activity

Quantity * 1 EA

Manufacturer *
Unselected **Filtered 3 from 1005** show all
eck
Selected (Showing all 1)
Filter
BECKMAN COULTER LIFE SCIENCES

Location *
Unselected (Showing all 307)
Filter
Selected (Showing all 1)
Filter
DSO > 04 > 03 > HISTOLOGY LAB

Submit

Fill up particulars of radioactive materials listed in L4 licence

For unsealed sources, choose if L4 licence manages as activity per unit or maximum activity level. If in doubt, please contact NUS Admin

Press submit once done

1a. Manage Radioactive Material Possession Licence



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Manage Radioactive Material Possession Licence (New)

Licence Number *

Duration *

Faculty / RIRC *

Department *

Unselected (Showing all 20)

Selected (Showing all 1)

Filter

Filter

ANAESTHESIA
ANATOMY
CME
DEAN-MED
DGMS
DIAG-RADIO.

BIOCHEMISTRY

Particulars of Radioactive Material *

Radionuclide(s)	Manufacturer	Source Type	Product Activity Per Unit	Max Quantity	Max Activity	Location	
C-14	BECKMAN COULTER LIFE SCIENCES ECKERT & ZIEGLER	UNSEALED	10 (MILLICURIE)	1		DSO > 04 > 03 > HISTOLOGY LAB	<input type="button" value="+"/> <input type="button" value="-"/>

Radioactive material should appear in your licence now. Once all the materials listed in your licence has been added, you may press submit

1a. Manage Radioactive Material Possession Licence



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Manage Radioactive Material Possession Licence - Search

Duration

Faculty / RIRC

Department

Unselected (Empty list)

Selected (Empty list)

Location

Unselected (Showing all 308)

Selected (Empty list)

Licence Number

Radionuclide(s)



You can search and edit your L4 licence by specifying search criteria and press "Search"

Licence Number	Faculty / RIRC	Department	Start Date	End Date
L4/01234/0002	YONG LOO LIN SCHOOL OF MEDICINE	DEAN-MED	2020-01-01	2020-12-31
L4/02199/1234	YONG LOO LIN SCHOOL OF MEDICINE	MEDICINE	2020-10-28	2021-12-31
L4/01234/0002	YONG LOO LIN SCHOOL OF MEDICINE	BIOCHEMISTRY	2020-01-01	2020-12-31
L4/04187/0001	YONG LOO LIN SCHOOL OF MEDICINE	DEAN-MED	2020-10-13	2021-02-26

1b. Manage Radiation Licence Holder



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Manage Radiation Licence Holder - Search

Name

NUSNET ID

Radioactive Material User Licence All Worker Registration (R1) Licence Holder (L6)



In order for PI/Lab admin/researchers to access the functions of LMMS (Radioactive Materials), Fac/Dept Admin must first configure the L6/R1 licence of existing LMMS users in the system.

Press the “Add” button to do so.

1b. Manage Radiation Licence Holder



Name of 00045016 (Faculty Administrator)

Manage Radiation Licence Holder (New)

NUSNET ID *	<input type="text" value="oshoca"/>	Name of 00045016
Radioactive Material User Licence *	<input type="text" value="L6"/>	
Radiation Licence Number *	<input type="text" value="L6/55555/4444"/>	
	<input type="button" value="Submit"/> <input type="button" value="Back"/>	

Fill up the information required for the new licence holder

1b. Manage Radiation Licence Holder



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Manage Radiation Licence Holder - Search

Name

NUSNET ID

Name of 00045016

Radioactive Material User Licence All Worker Registration (R1) Licence Holder (L6)

Search Result

<input type="checkbox"/>	Name	Radioactive Material User Licence	Radioactive Material User Licence Number
<input type="checkbox"/>	Name of 00045016	L6	L6 1234556

Showing 1 to 1 of 1 rows

You can search and edit Radiation Licence Holder by entering search criteria and press "Search"

2a. Radioactive Materials Inventory



Name of 00045016 (Faculty Administrator)

- Chemical
- Radioactive

- Search Inventory

Welcome to Laboratory Material Management System

2a. Radioactive Materials Inventory



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Search Inventory

LMMS Barcode

With Barcode Without Barcode

LMMS Barcode

Radioactive Material Name

Radionuclide(s)

Source Type

Physical Form

Purchase Order Number

Owner / Co-Owner(s)

Date of Inventory

Container Status

Active Active (In Transfer) Disposed

Faculty / RIRC

Department

Unselected (Empty list)

↔

Selected (Empty list)

←←

Manufacturer

Location

Search

Clear All

You can search and edit Radioactive Materials Inventory by entering search criteria and press "Search"

3a. Radioactive Materials Report



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

My Reports

Chemical

Radioactive

Radioactive Report

Welcome to Laboratory Material Management System

3a. Radioactive Materials Report



Name of 00045016 (Faculty Administrator)

Home Manage Search Inventory Report Switch Role Logout

User Guide FAQ

Radioactive Report

Report Type

Faculty / RIRC

Department

Location

Owner

Regulation

Please Select

Please Select

- Please Select
- Radioactive Material Inventory Report - Detailed
- Radioactive Material Transfer Report
- Radioactive Material Disposal Report

BIOCHEMISTRY
CME
DEAN-MED
DGMS

Unselected (Empty list)

Filter

Selected (Empty list)

Filter

Unselected (Showing all 1)

Filter

RADIATION PROTECTION ACT

Selected (Empty list)

Filter

Choose the type of report, fill in the requirements for your report and press "Generate report"

Generate Report

3a. Radioactive Materials Report

NUS National University of Singapore

Name of 00045016 (F:)

Home Manage Search Inventory Report Switch Role Logout

Radioactive Report

You will be notified by email when the report is ready

Report Type: Radioactive Material Disposal Report

Faculty / RIRC: YONG LOO LIN SCHOOL OF MEDICINE

Department: Unselected (Showing all 21)

- ANAESTHESIA
- ANATOMY
- BIOCHEMISTRY
- CME
- DEAN-MED
- DGMS

Location: Unselected (Empty list)

Owner: Please Select

Regulation: Unselected (Showing all 1)

- RADIATION PROTECTION ACT

Selected (Empty list)

Generate Report

There will be a message informing you that an email will be sent to you when the report is ready for download. You Can click on the “My Reports” section to check if your report is ready

3a. Radioactive Materials Report



Name of 00045016 (Faculty Administrator)

[Home](#) [Manage](#) [Search Inventory](#) [Report](#) [Switch Role](#) [Logout](#)

[User Guide](#) [FAQ](#)

My Reports

Duration *

12-Nov-2020



19-Nov-2020



Report Type

Please Select

Search

My Latest Reports

Report File Name

Radioactive Material Disposal Report 19Nov2020 232236

You will be able to see the report in the “My Reports” page once it is ready. Click to download and view.

D. PI/Researcher/Lab Administrators

1. Inventory

- a. New Product Request
- b. Add New Inventory
- c. Manage Inventory

2. Search Inventory

- a. Radioactive Materials Inventory

3. Report

- a. Radioactive Report

1a. New Product Request

NUS National University of Singapore

Home Inventory Search Inventory Report Switch Role My Requests Logout

Chemical
Radioactive
New Product Request
Add New Inventory
Manage Inventory

Welcome to Laboratory Material Management System

Pending action items(s)

No pending action items(s)

Please provide your **L6/R1 licence number** to your respective Department Admin for access to the Radiation module

1a. New Product Request

The screenshot shows the 'New Product Request' form on the NUS website. The form includes the following fields and controls:

- Radionuclide Type ***: Radio buttons for Single and Mixed Nuclides.
- Radionuclide[+] ***: A dropdown menu with 'Please Select'.
- Source Type ***: A dropdown menu with 'Please Select'.
- Radioactive Material Name ***: A text input field.
- Manufacturer ***: Radio buttons for Please Select and [Redacted].
- Product Number**: A text input field.
- Physical Form ***: A dropdown menu with 'Please Select'.
- Original Packaging Quantity ***: A text input field.
- Unit of measure ***: A dropdown menu with 'Please Select'.
- Latest SDS File (PDF file only and max. 1MB)**: A text input field with a 'Browse ...' button.
- Other Supporting Document (PDF file only and max. 1MB)**: A text input field with a 'Browse ...' button.
- Submit**: A button at the bottom right.

Green arrows point from text boxes to the following elements:

- From the 'Single' radio button to the 'Select if your product contains 1 radionuclide (single) or multiple radionuclides (mixed)' box.
- From the 'Radionuclide[+] *' dropdown to the 'Please contact NUS admin if you cannot find the radionuclide that is in your product' box.
- From the 'Source Type *' dropdown to the 'Select if your source is a sealed source (fully enclosed or encapsulated) or an unsealed source (radioactive materials that can be dispersed)' box.
- From the 'Radioactive Material Name *' text field to the 'Fill in the name of the radioactive product. E.g. for sealed source: Cs-137 check source E.g. for unsealed source: Glycerol, [2-3H]-' box.

Select if your product contains 1 radionuclide (single) or multiple radionuclides (mixed)

Please contact NUS admin if you cannot find the radionuclide that is in your product

Select if your source is a sealed source (fully enclosed or encapsulated) or an unsealed source (radioactive materials that can be dispersed)

Fill in the name of the radioactive product. E.g. for sealed source: Cs-137 check source E.g. for unsealed source: Glycerol, [2-3H]-

1a. New Product Request

Home Inventory Search Inventory Report Switch Role My Requests Logout User Guide FAQ

New Product Request

Radionuclide Type * Single Mixed Nuclides

Radionuclide[+] *

Source Type *

Radioactive Material Name

Activity/Activity Concentration Details

Radionuclide	Activity *
Cs-137	<input checked="" type="radio"/> Real Number <input type="radio"/> Scientific Notation <input type="text"/> <small>Activity in real numbers E.g.0.0001092</small> <input type="text" value="Please Select"/> <small>Unit of Measure for Activity</small>

For sealed source, please provide the Product Activity in either real number format or scientific Notation format, then select the unit for measure

or

Real Number Scientific Notation

Activity in real numbers E.g.0.0001092

Real Number Scientific Notation

Activity in scientific notation E.g. 0.5 X 10⁻¹⁰

Product Activity = usually the activity indicated in the L4 licence as well

1a. New Product Request

Home Inventory Search Inventory Report Switch Role My Requests Logout User Guide FAQ

New Product Request

Radionuclide Type * Single Mixed Nuclides

Radionuclide[+] *

Source Type *

Radioactive Material Name *

Activity/Activity Concentration Details

Radionuclide	Activity *	Activity Concentration *
H-3	<input checked="" type="radio"/> Real Number <input type="radio"/> Scientific Notation <input type="text"/> <i>Activity in real numbers E.g.0.0001092</i> <input type="text" value="Please Select"/> <i>Unit of Measure for Activity</i>	<input checked="" type="radio"/> Real Number <input type="radio"/> Scientific Notation <input type="text"/> <i>Activity Concentration in real numbers E.g.0.0001092</i> <input type="text" value="Please Select"/> <i>Unit of Measure for Activity Concentration</i>

For unsealed source, please provide the Product Activity and Product Activity Concentration in either real number format or scientific Notation format, then select the unit for measure. Please contact NUS admin if your unit of measurement for activity concentration is not available

or

Real Number Scientific Notation

Activity in real numbers E.g.0.0001092

Real Number Scientific Notation

Activity in scientific notation E.g. 0.5 X 10⁻¹⁰

1a. New Product Request

New Product Request

Radionuclide Type * Single Mixed Nuclides

Radionuclide[+] *

Source Type *

Radioactive Material Name

Activity/Activity Concentration Details

Radionuclide	Activity *
Cs-137	<input checked="" type="radio"/> Real Number <input type="radio"/> Scientific Notation <input type="text" value="10"/> <small>Activity in real numbers E.g. 0.0001092</small> <input type="text" value="MILLICURIE"/> <small>Unit of Measure for Activity</small>

Manufacturer * ECKERT & ZIEGLER

Product Number

Physical Form *

Original Packaging Quantity *

Unit of measure *

Latest SDS File (PDF file only and max. 1MB)

Other Supporting Document (PDF file only and max. 1MB)

Select the manufacturer of the radioactive material from the list

Enter product no.

Select the physical form (only selectable for unsealed source)

Enter the original packaging quantity and its unit of measure (only applicable for unsealed source)

Please upload product safety data sheet, safety fact sheet or safety information sheet (PDF format)

After submission, New Product Request will be routed to NUS Admin for approval

1b. Add New Inventory

The screenshot shows the NUS Laboratory Material Management System interface. At the top left is the NUS logo. The navigation bar includes 'Home', 'Inventory', 'Search Inventory', 'Report', 'Switch Role', 'My Requests', and 'Logout'. The 'Inventory' dropdown menu is open, showing 'Chemical', 'Radioactive', 'New Product Request', 'Add New Inventory' (highlighted with a pink box), and 'Manage Inventory'. The main content area displays 'Welcome to Laboratory Material Management System' and a 'Pending action items(s)' section with 'No pending action items(s)'.

Please provide your **L6/R1 licence number** to your respective Department Admin for access to the Radiation module

1b. Add New Inventory

Add Inventory - Search Product

Radioactive Material Name

Radionuclide(s)

Manufacturer

Unselected (Showing all 1006) Selected (Empty list)

Filter

ASAHI KASEI CHEMICALS CORP
1-MATERIAL
1ST BASE
2D SEMICONDUCTORS
3A CHEMICALS
3M

Source Type All Sealed Unsealed

Physical Form

Activity Real Number Scientific Notation

Activity in real numbers E.g. 0.0001092

Unit of Measure - Activity

All approved radioactive material product can be found by entering the search criteria

Select the approved product that you wish to add to your inventory. If you would wish to request new product from an existing approved product, select © on the left of the product

Search Result

	Radioactive Material Name	Radionuclide(s)	Manufacturer	Source Type	Physical Form	Activity	Activity Concentration	Product Number	Regulation
©	Cs-137 Calibration/Check sources (JO test)	Cs-137	ECKERT & ZIEGLER	SEALED	SOLID	1.5 (MILLICURIE)			RADIATION
©	Cs-137 Calibration/Check sources (JO test)	Cs-137	ECKERT & ZIEGLER	SEALED	SOLID	20 (MILLICURIE)			RADIATION

1b. Add New Inventory

Add Inventory

Radioactive Material Name: Cs-137 Calibration/Check sources (JO test)

Radionuclide: Cs-137

Manufacturer: ECKERT & ZIEGLER

Source Type: SEALED

Physical Form: SOLID

Activity/Activity Concentration Details

Radionuclide	Activity
Cs-137	1.5 (MILLICURIE)

Product Number: [Empty]

Regulation: RADIATION PROTECTION ACT

Original Packaging Quantity: 1 (EACH)

Location * [Please Select]

Owner * [Name of 00045016]

Co-Own

Sharable

Please verify product details

Select storage location, owner, co-owner and if sharable

1b. Add New Inventory

Reference Activity/Reference Activity Concentration Details

Radionuclide	Reference Date	Reference Activity
Cs-137	14-Oct-2020	<input checked="" type="radio"/> Real Number <input type="radio"/> Scientific Notation <input type="text" value="9.7"/> <small>Activity in real numbers E.g.0.0001092</small> MILLICURIE <small>Unit of Measure for Activity</small>

Serial Number of Sealed Source *

Purchase Order Number

Cabinet/Shelf

Number of Container * between 1 to 20

List of Containers

S/N	LMMS Barcode	
1	<u>please scan or enter barcode</u>	<input type="button" value="-"/>

Enter **reference activity** and **reference date** (given by manufacturer)

**for unsealed source, enter the reference activity concentration*

For sealed source, please enter the sealed source serial number

Enter PO no. and cabinet/shelf if applicable

Enter the number of container and create/paste the barcode on the container of the source

System will check if there is valid L4 prior to inventorisation

1c. Manage Inventory

NUS National University of Singapore

Home Inventory Search Inventory Report Switch Role My Requests Logout

Chemical

Radioactive

New Product Request

Add New Inventory

Manage Inventory

Welcome to Laboratory Material Management System

Pending action items(s)

No pending action items(s)

Please provide your **L6/R1 licence number** to your respective Department Admin for access to the Radiation module

1c. Manage Inventory

NUS
National University
of Singapore

Home Inventory Search Inventory Report Switch Role My Requests Logout

Manage Inventory

LMMS Barcode

**Search for your inventory
by entering or scanning
the barcode**

1c. Manage Inventory

Manage Inventory

▼ PRODUCT INFORMATION

^ INVENTORY INFORMATION

Container Status: ACTIVE

Owner: Name of 00045016

Co-Owner(s):

Sharable:

Reference Activity/Reference Activity Concentration Details

Radionuclide	Reference Activity	Reference Activity Concentration	Reference Date
P-32	1 (KILOBECQUEREL)	0.0001 (MEGABECQUEREL PER MILLILITER)	2020-10-12

Dispose Dispense Transfer Update Back

Select if you would like to:

- i. Dispense (only available for unsealed source)*
- ii. Transfer (recipient/location must have valid L4/L6 licence)*
- iii. Update information of the source*
- iv. Dispose (only available for unsealed source that is below the exemption limit)**

***Singapore does not allow disposal of:**

- a. Sealed source**
- b. Unsealed source with activity above exemption limit**

Please contact your Faculty/Department Admin

1c. Manage Inventory – (i) Dispense (for unsealed source)

Manage Inventory (Dispense)

Remaining Activity/Activity Concentration Details

Radionuclide	Activity	Activity Concentration
P-32	50.0 (MILLICURIE)	5.0 (MILLICURIE PER MILLILITER)

Remaining Activity/Activity Concentration Details After Dispense

Radionuclide	Activity	Activity Concentration
P-32	45 (MILLICURIE)	5.0 (MILLICURIE PER MILLILITER)

Dispensed Activity *

Real Number Scientific Notation

Activity in real numbers E.g. 0.0001092

MILLICURIE ▾

Purpose of Usage

Enter the Activity and the unit of measure that you would like to dispense

Activity

45 (MILLICURIE)

Press "Calculate Remaining Activity For Dispense" to see the remaining activity

1c. Manage Inventory – (ii) Transfer

Manage Radioactive Inventory (Transfer)

Please ensure that the recipient has:

- i) the valid licence/permit (where applicable) to possess the radioactive material(s), and
- ii) the appropriate control measures to safely handle the radioactive material(s).

Remaining Activity/Activity Concentration Details

Radionuclide	Activity	Activity Concentration
P-32	50.0 (MILLICURIE)	5.0 (MILLICURIE PER MILLILITER)

Receiver NUSNET ID *

Transfer

Back

Enter the Receiver's NUSNET ID. Please ensure recipient has valid L4/L6 prior to transfer

1c. Manage Inventory – (iii) Update

Manage Radioactive Inventory (Update)

▼ PRODUCT INFORMATION

^ INVENTORY INFORMATION

Remaining Activity/Activity Concentration Details

Radionuclide	Activity	Activity Concentration
P-32	50.0 (MILLICURIE)	5.0 (MILLICURIE PER MILLILITER)

Container Status: ACTIVE

Owner: Name of 00045016

S/N: [Empty]

Co-Own:

Sharable:

PO Number: [Empty]

Location *: MD6 > 11 > 01 ▾

Cabinet/Shelf: [Empty]

LMMS Barcode: 1231231234

Submit Back

The following information for the radioactive material can be updated

1c. Manage Inventory – (iv) Dispose

Manage Inventory (Dispose)

Remaining Activity/Activity Concentration Details

Radionuclide	Activity	Activity Concentration
P-32	0.09269449365437517 (KILOBECQUEREL)	0.000009269449365437517 (MEGABECQUEREL PER MILLILITER)

Manner of disposal *

Service Request ID (from EHS360) *

Upload of relevant documents for disposal of sealed source

Select the disposal method. For unsealed source that is below exemption limit, usually it is through “NUS central radioactive waste disposal exercise by OSHE. Please enter service request ID from EHS360 service request

Please Select -

Search

- Please Select
- NUS central radioactive waste disposal exercise by OSHE
- Source return to manufacturer
- Source disposed via approved and licensed radioactive material/waste collector
- Others

*Singapore does not allow disposal of:

- a. Sealed source
- b. Unsealed source with activity above exemption limit

Please contact your Faculty/Department Admin

2a. Search Radioactive Materials Inventory

The screenshot displays the NUS Laboratory Material Management System interface. At the top left is the NUS logo (National University of Singapore). At the top right, the user's name is shown as "Name of 00045016 (Researcher)". Below the logo and name is a navigation bar with links: Home, Inventory, Search Inventory, Report, Switch Role, My Requests, and Logout. On the far right of the navigation bar are links for User Guide and FAQ. The "Search Inventory" link is highlighted with an orange underline. A dropdown menu is open under "Search Inventory", showing two options: "Chemical" and "Radioactive". The "Radioactive" option is further expanded, showing a sub-menu with a "Search Inventory" link, which is highlighted with a pink border. Below the navigation bar, the main content area displays "Welcome to Laboratory Material Management System". Underneath this, there is a section for "Pending action items(s)". The first row shows "Pending action items(s)" and the second row shows "No pending action items(s)".

Please provide your **L6/R1 licence number** to your respective Department Admin for access to the Radiation module

2a. Search Radioactive Materials Inventory

Search Inventory

LMMS Barcode With Barcode Without Barcode

LMMS Barcode

Radioactive Material Name

Radionuclide(s)

Source Type

Physical Form

Purchase Order Number

Owner / Co-Owner(s)

Date of Inventory

Container Status Active Active (In Transfer) Disposed

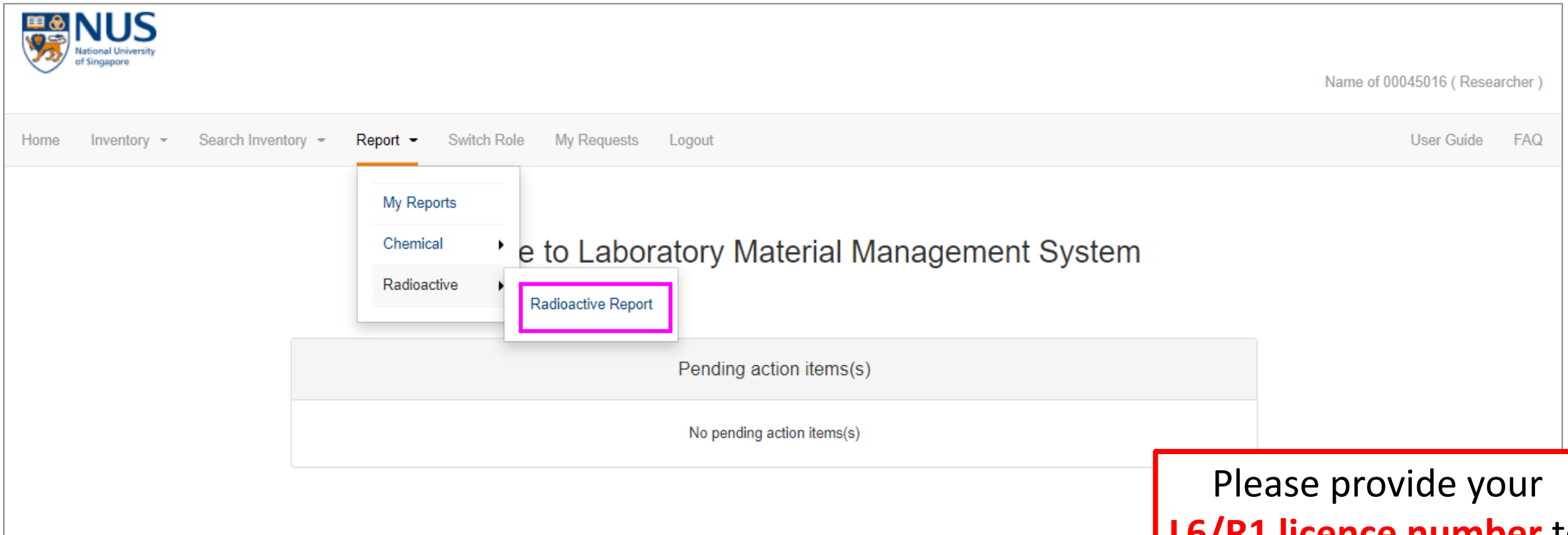
Manufacturer

Location

You can search your active inventories, inventories that are “transfer-in-progress” and disposed inventories

Perform your search and manage Radioactive Materials Inventory by entering search criteria and press “Search”

3a. Radioactive Materials Report



The screenshot shows the NUS Laboratory Material Management System interface. The NUS logo is in the top left corner. The user's name, "Name of 00045016 (Researcher)", is displayed in the top right. The navigation menu includes "Home", "Inventory", "Search Inventory", "Report", "Switch Role", "My Requests", and "Logout". The "Report" menu is open, showing "My Reports", "Chemical", and "Radioactive". The "Radioactive" option is further expanded to show "Radioactive Report", which is highlighted with a pink border. Below the navigation menu, the text "Welcome to Laboratory Material Management System" is visible. A grey bar indicates "Pending action items(s)", and a white bar below it shows "No pending action items(s)".

Please provide your **L6/R1 licence number** to your respective Department Admin for access to the Radiation module

3a. Radioactive Materials Report

Home Manage Search Inventory Report Switch Role Logout

Radioactive Report

You will be notified by email when the report is ready

Report Type: Radioactive Material Disposal Report

Faculty / RIRC: YONG LOO LIN SCHOOL OF MEDICINE

Department: Unselected (Showing all 21)

- ANAESTHESIA
- ANATOMY
- BIOCHEMISTRY
- CME
- DEAN-MED
- DGMS

Location: Unselected (Empty list)

Owner: Please Select

Regulation: Unselected (Showing all 1)

- RADIATION PROTECTION ACT

Selected (Empty list)

Selected (Empty list)

Selected (Empty list)

Selected (Empty list)

Generate Report

There will be a message informing you that an email will be sent to you when the report is ready for download. You Can click on the “My Reports” section to check if your report is ready

3a. Radioactive Materials Report

Home Manage Search Inventory Report Switch Role Logout User Guide FAQ

My Reports

Duration * 12-Nov-2020 19-Nov-2020

Report Type Please Select

Search

My Latest Reports

Report File Name
Radioactive Material Disposal Report 19Nov2020 232236

You will be able to see the report in the “My Reports” page once it is ready. Click to download and view.