

RADIOISOTOPE USE AUTHORIZATION



Environment, Health & Safety

Dec 05, 2024

University of California, San Diego
Environment , Health & Safety, 0920
Phone: (858) 534 - 3660
FAX #: (858) 534 - 7982
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Principal Investigator: Dr RALF GOERICKE
Mail Code: 0206
Department: INTEGR OCEANOGRAPHY
DIV

RUA No: 598
Expiration Date: Oct 31, 2027
Lab Class: L

Project Summary

Carbon-14 is used in productivity experiments aboard SIO vessels. Aqueous stock solutions are diluted to 5 uCi/.1 ml and sealed in 5 ml ampoules.

Locations

<u>Building</u>	<u>Room #</u>	<u>Room Use</u>	<u>Volatile Iodine</u>
MESOM	242	Laboratory	N
MESOM	242A	Laboratory/LSC	N
SHIP	Isolation Van	Laboratory	N

Isotopes

<u>Isotope</u>	<u>Chemical Classification</u>	<u>Purchase Limit</u>	<u>Possession Limit</u>	<u>mCi/Exp</u>	<u>mCi/Year</u>
C-14	LSC Standards	0.01	0.02	0.01	0.01
C-14	Inorganic Compounds	250	300	1.2	150
H-3	LSC Standards	0.002	0.004	0.002	0.002

Users and Authorized Use Groups (If Applicable)

ADAMS, JOSEPHINE MARIE
ELLMAN, BRYCE A
GOERICKE, RALF
IRZA, LUKE THOMAS
LOGSTON, RENAE C
POUND, RACHEL JULIE
VOGEL, KELSEY DIANE

Precautions

All transport of RAM complies with DOT regulations
Lab coats
Safety glasses
Work with absorbent paper

Disposable gloves
Monthly laboratory surveys
Survey meter/LSC available

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Standard Requirements

1. A copy of the RUA should be kept in the main radioactive materials use area, either posted or kept in the binder with the UCSD Radiation Safety Manual.
2. All Principal Investigators and radioactive material users are required to comply with the provisions of the UCSD Radiation Safety Manual, as well as the conditions of this RUA.
3. Please amend this RUA to change work projects, locations, radioisotopes, personnel or techniques.
4. All uses of radioactive material under this RUA shall be conducted in accordance with the initial/renewal application as signed by the principal investigator and department leadership, subsequent amendment requests, and modifying requirements of the Radiation Safety Committee.

Please inform EH&S of changes in equipment and to the laboratory manager or contact.

Approved by:

A handwritten signature in black ink that reads "Jeff Wagner".

12/20/2024

Radiation Safety Officer

Date