

MEMORANDUM FOR: DEPT. OF CLINICAL INVESTIGATION, ATTN: MS. DORIS BURGESS

SUBJECT: Expiration of WRAMC Radioactive Material Authorization

1. WRAMC Radioactive Material Authorization No. 670 will expire in approximately ninety (90) days. If a properly completed application for renewal of the existing Authorization is received by this office thirty (30) days or more prior to the expiration date, the existing Authorization shall not expire until a final determination has been made on the renewal application.
2. If you desire to terminate your Authorization, please advise this office of your intent by placing a check mark (☒) in the appropriate box provided below. Sign the Principal User's signature block and return the original copy of the signed statement to this office.
3. Attached to this Memo is an Authorization Renewal Packet containing all forms needed to renew your Authorization. All applications for renewal must include one (1) each of the following:
 - a. Completed copy of the application form
 - b. Updated Training and Experience form for each individual listed as Principal User or Co-Worker
 - c. A Research Protocol form (if enclosed)
4. All questions regarding this communication should be directed to the Chief, RMC Branch, Health Physics Office, WRAMC, Tel: 427-5104/5161.

David W. Burton

Encl

DAVID W. BURTON
Chief, RMC Branch
Health Physics, WRAMC

HSHL-_____ 1ST End

FROM:

FOR Health Physics Office, WRAMC, ATTN: Chief, RMC Branch

1. It is requested that WRAMC Radioactive Material Authorization No. 670 be cancelled.

2. Radioactive materials listed on the current Authorization will be:

_____ Transferred to WRAMC Health Physics Office for disposal as Radioactive waste

_____ Transferred to WRAMC Health Physics Office for reassignment to WRAMC Radioactive Material Authorization No. _____

☒ I do not possess any radioactive materials and therefore no transfer procedures are required

Doris Burgess
NAME/RANK

2/21/91
DATE

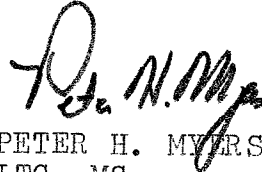
HSHL-H-HP (385-11h) 2d End

Mr. David W. Burton/ab/4275104/07

Health Physics Officer, WRAMC

MAR 05 1991

FOR: Clinical Investigation, ATTN: Ms. Doris Burgess



PETER H. MYERS
LTC, MS
Health Physics Officer

This Application is given
interim approval until the
next meeting of the RCC
which is scheduled for: MAR 91

APPROVED BY
RCC

MAR 06 1991

DATE

DATE: 21 FEB 91

Authorization Review Process
Branch Input

Auth # 670

	A	B	COMMENTS
1	X	ZMB	Auth has been on hold
2	NA	ZMB	
3	X	ZMB	
4	NA	ZMB	
5	X	ZMB	
6	NA	ZMB	
7	NA	ZMB	
8	NA	ZMB	
9	NA	ZMB	
10	NA	ZMB	
11	NA	ZMB	
12			
13			
14			
15			

Index of Numbers and Symbols used above:

- (1) - Forms (WRAMC 1661R, 1662R, 1643) (Completed/typed)
 - (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
 - (3) - Isotopes (within limits for NRC License/personnel qualifications)
 - (4) - OPS Branch room pre-survey
 - (5) - OPS Branch room final survey
 - (6) - TS Branch instrumentation assignment
 - (7) - Training - WRAMC Form 538 (Completed by users annually)
 - (8) - Training - WRAMC Form 1643 (Training and Experience Form)
 - (9) - Fort Detrick - Auth#'s 541, 618, 619, 620, 621
 - (10) - TS Branch Bioassay
 - (11) - TS Branch Personnel dosimetry
- (A) - (X) when complete, (O) when pending, and () when pending completed
 (B) - Initial of branch representative when complete or pending issues are resolved
 (C) - Comments

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

HSHL-KOP

SUBJECT

Use of Radioisotopes

TO

Health Physics Office

FROM

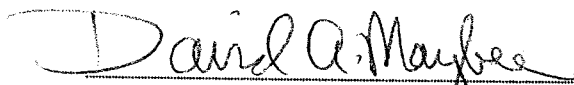
C, Hem/Onc Service

DATE

28 October 1988

CMT 1

Request authorization 670 be put on Administrative Hold until further notice.



DAVID A. MAYBEE, COL MC
CHIEF, PEDIATRIC HEMATOLOGY/ONCOLOGY

HSHL-HP

TO C, Hem/Onc Svc
ATTN: COL Maybee

FROM Health Physics Office
WRAMC

DATE ~~NOV 17 1988~~
Mr. burton/pdc/75104

CMT 2

This Application is given
interim approval until the
next meeting of the RCC
which is scheduled for: NOV 22 1988



GERALD M. CONNOCK
MAJ, MS
Health Physics Officer

APPROVED BY
RCC

NOV 22 1988

DATE

DATE: 3 NOV 88

Authorization Review Process
Branch Input

Auth # 670

	A	B	COMMENTS
1	X	ZMB	
2	NA	ZMB	
3	NA	ZMB	
4	NA	AA	
5	X	AA	
6	X	Gr	
7	NA	Gr	
8	WA	ZMB	
9	NA	ZMB	
10	NA	Gr	
11	NA	Gr	
12			
13			
14			
15			

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- (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
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- (10) - TS Branch Bioassay
- (11) - TS Branch Personnel dosimetry

- (A) - (X) when complete, (O) when pending, and () when pending completed
- (B) - Initial of branch representative when complete or pending issues are resolved
- (C) - Comments

APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL -- NON-HUMAN USE

1. APPLICATION FOR:	<input checked="" type="checkbox"/> NEW AUTHORIZATION 670	<input checked="" type="checkbox"/> RENEWAL OF AUTHORIZATION NUMBER WMO	<input type="checkbox"/> AMENDMENT TO AUTHORIZATION NUMBER
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2. APPLICANT'S NAME (Last, First, MI) (Principal User) BURLESS, DORIS	3. APPLICANT'S MAILING ADDRESS (Include Organization) CLINICAL INVESTIGATION WRAMC WASHINGTON, DC.
TELEPHONE NUMBER 576-1599	

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

4. List all CO-WORKERS	5. List all TRAINEES	6. List all TECHNICIANS

7. LOCATIONS WHERE MATERIAL WILL BE USED: (Building and Associated Rooms)

Bldg 2 Room 5Z70

8. LOCATIONS WHERE MATERIAL WILL BE STORED: (Building and Associated Rooms)

Same as above

9. RADIOACTIVE WASTE DISPOSAL SINK IN ROOM:

Yes

10. RADIOACTIVE MATERIAL DATA

A. RADIOSOTOPE	B. CHEMICAL AND/OR PHYSICAL FORM (Sealed or Unsealed)	C. POSSESSION LIMIT	D. USE
^{57}Co	RIA Kit	48 mCi 2.0 mCi	B_{12} measurement
^{125}I	RIA Kit	3.0 mCi	Iodate measurement

APPROVED

RCC

19 NOV 1987

01 OCT 1987

This Application is given
Interim approval until the
next meeting of the RCC NOV 1987

DATE: 20 AUG 87

Authorization Review Process
Branch Input

Auth #

670

Process, Davis

	A	B	COMMENTS
1	X	DNB	called 9/14/87 mailed forms back, incomplete
2	X	DNB	
3	X	DNB	
4	X	gm	
5	X	gm	
6	X	gm	
7	X	gm	
8	X	gm	Scheduled for next IRRP
9	N/A		
10	X	gm	
11	X	gm	
12			
13			
14			
15			

Index of Numbers and Symbols used above:

- (1) - Forms (WRAMC 1661R, 1662R, 1643) (Completed/typed)
- (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
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- (C) - Comments

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

HS HL-HP

SUBJECT

Research Protocol for Isotope Named in the
Application for Use of Radioactive Material
Authorization # 670

TO Health Physics Officer

FROM

DATE

CMT 1

WRAM *Doris Burgess*

a. Principal User

DORIS BURGESS

Telephone Number

576-1599

Authorization Number

b. Investigator & Auth#
(If different than (a.))

c. Trainee & Auth#

d. Technician & Auth#

e. Radioisotope

¹²⁵I

Physical/Chemical form

Liquid

Maximum Quantity to be used
per Experiment in millicuries
(mCi)

3.0 mCi

f. Title of Project:

Biologic Markers for Disease Status

Maximum Quantity to be used
for Entire Project (if known)
in millicuries (mCi)

g. Beginning Date:

Sept 1, 1987

h. Ending Date:

i. Repetitive Study

Yes

No

j. Life Cycle of Radioisotope Utilized for Research Procedure:

(Use block/flow diagram to show (where, how much, whose, etc.,) isotope travel from receipt to disposal.)

1/2 life 56 days

RIA Kits will be stored in refrigerator Room 5270

No more than 3.0 mCi of ¹²⁵I Kit at one time

Use to measure ¹²⁵I-labeled IgG in serum

Supernatant will be disposed of radioactive waste ~~per~~ ^{collected}

All other radioactive waste will be carried to the loading dock behind Bldg 2 main Hospital on Wed. of each week

for proper disposal by Radioactive Waste collectors (Health Physics)

k. Labelling and Transport of Radioactive Material

All radioactive solutions, tissues, animals and waste will be identified by proper label, in accordance with Health Physics Condition No. 4. Transport of radioactive material between authorized work areas and waste disposal sites will be conducted in a manner that precludes the spread of contamination and inadvertent exposure to non-participating personnel.

l. Laboratory Animal Usage

Species NA

Bldg#

Room#

m. Disposition of Animals

☒ Not Applicable

☐ Animals will be sacrificed and carcasses will be disposed of as radioactive waste.

☐ Other (Specify)

n. Isotope Utilization Locations

Building #

Room #

Max. Amt (mCi)

Location 1

2
5270
200

Location 2

Location 3

Location 4

o. Isotope Storage Location

Building # 2 Room # 5270 Max. Amt. (mCi) 200

p. Isotope Waste Storage Locations

(1) Biological: Bldg# _____ Room# _____

(2) All other: Bldg# _____ Room# _____

☒ All radioactive waste will be transferred to the Health Physics collection point, WRAMC (Bldg 2 (NMTF) - loading dock) (1330 to 1430) Wednesday of each week.

☐ All radioactive waste will be transferred to the Health Physics collection point, WRAIR (Bldg 40 - Room B079) Open Monday, Wednesday, & Friday 1130 to 1230.

☐ All radioactive waste will be transferred to the Health Physics collection point, WRAIR (Forest Glen Section) every Wednesday afternoon.

q. Radioactive Waste Disposal

All radioactive waste will be transferred to Health Physics Office in accordance with Health Physics Condition No. 4.

r. Room Survey

All room surveys will be conducted in accordance with Health Physics Condition No. 2.

s. Personnel Dosimetry

Whole Body ☐

Wrist Badge ☐

TLD Ring ☐

will be requested in accordance with Health Physics Condition No. 1.
Assigned dosimetry monitors will be worn by all participating personnel.

- t. Are there any significant non-radiation personnel hazards associated with experiments; (Biological, Explosive, Toxic substances, High Intensity Optical sources, Microwaves, or Electrical)
that would effect Health Physics personnel during there routine inspections of these areas.

☒ No

☐ Yes(Please specify)

The Research Protocol enumerated above and on the previous pages is designed to ensure that occupational radiation exposures and release of radioactive effluents to the environment will be "as low as reasonably achievable" (ALARA) during all phases of the research procedure.

Chris Burgess 8/12/87
Signature Date

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL HSHL-HP		SUBJECT Research Protocol for Isotope Named in the Application for Use of Radioactive Material Authorization # _____	
TO Health Physics Officer WRAMC		FROM	DATE
		CMT 1	
a. <u>Principal User</u> DORIS BURGESS	Telephone Number 576-1599		Authorization Number
b. <u>Investigator & Auth#</u> (If different than (a.))	c. <u>Trainee & Auth#</u>		d. <u>Technician & Auth#</u>
e. <u>Radioisotope</u> ^{57}Co	Physical/Chemical form Liquid		Maximum Quantity to be used per Experiment in millicuries (mCi) 1.8 mCi
f. <u>Title of Project:</u> Serum B12 (POG 8724, 17) Biological marker for Disease Status			Maximum Quantity to be used for Entire Project (if known) in millicuries (mCi)
g. <u>Beginning Date:</u> Sept 1, 1987.	h. <u>Ending Date:</u>		i. <u>Repetitive Study</u> Yes No
j. <u>Life Cycle of Radioisotope Utilized for Research Procedure:</u> (Use block/flow diagram to show (where, how much, whose, etc.,) isotope travel from receipt to disposal.) 1/2 life 56 days ^{57}Co will be supplied in a kit for measuring B12 ^{B12} levels in Serum. Stored in Bld 2 - Room 5270 (not to exceed 1.8 mCi at one time) Liquid waste disposed of in Radioactive waste pink 5270. All radioactive Radioactive material + waste will be carried to loading dock Bld 2 every wed for proper disposal by Health Physics Collection team.			

k. Labelling and Transport of Radioactive Material

All radioactive solutions, tissues, animals and waste will be identified by proper label, in accordance with Health Physics Condition No. 4. Transport of radioactive material between authorized work areas and waste disposal sites will be conducted in a manner that precludes the spread of contamination and inadvertent exposure to non-participating personnel.

1. <u>Laboratory Animal Usage</u>		
Species <u>N/A</u>	Bldg#	Room#

m. Disposition of Animals

- ☒ Not Applicable
- ☐ Animals will be sacrificed and carcasses will be disposed of as radioactive waste.
- ☐ Other (Specify)

n. <u>Isotope Utilization Locations</u>	Location 1	Location 2	Location 3	Location 4
Building #	2			
Room #	5270			
Max. Amt (mCi)	2.0			

o. Isotope Storage Location

Building # 2 Room # 5270 Max. Amt. (mCi) 2.0

p. Isotope Waste Storage Locations

- (1) Biological: Bldg# _____ Room# _____
- (2) All other: Bldg# _____ Room# _____
- ☒ All radioactive waste will be transferred to the Health Physics collection point, WRAMC (Bldg 2 (NMTF) - loading dock) (1330 to 1430) Wednesday of each week.
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- t. Are there any significant non-radiation personnel hazards associated with experiments; (Biological, Explosive, Toxic substances, High Intensity Optical sources, Microwaves, or Electrical)
that would effect Health Physics personnel during there routine inspections of these areas.

☒ No

☐ Yes(Please specify)

The Research Protocol enumerated above and on the previous pages is designed to ensure that occupational radiation exposures and release of radioactive effluents to the environment will be "as low as reasonably achievable" (ALARA) during all phases of the research procedure.

Doris Burgess 8/12/87
Signature Date

AUTHORIZATION ISOTOPE INVENTORY

HPO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
=====	=====	=====	=====	=====
** Authorization Number: 670				
* Total Millicuries Co-57				
36395	DADA1588M8181	09/21/88	0.0030	<u>0</u>
* Subsubtotal *			0.0030	
* Total Millicuries I-125				
36395	DADA1588M8181	09/21/88	0.0030	<u>0</u>
* Subsubtotal *			0.0030	
** Subtotal **			0.0060	Auth on hold
*** Total ***			0.0060	no isotope on hand
				28 Oct 88

AUTHORIZATION ISOTOPE INVENTORY

NPO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
<i>Audit 10/27/88</i>				

* Authorization Number: 670

* Total Millicuries Co-57

33350	DADA1587A0035	1UKI	03/28/88	0.0550	<i>0</i>
33542	DADA1587B0035	4UM5	04/26/88	0.0030	<i>0</i>
33893	DADA1588M8181		06/29/88	0.0030	<i>0</i>
33077	DADA1588M8181		07/29/88	0.0030	<i>0</i>
33229	DADA1588M8181		08/24/88	0.0030	<i>0</i>
33395	DADA1588M8181		09/21/88	0.0030	<i>0.003</i>
* Subsubtotal *				0.0700	

* Total Millicuries I-125

33542	DADA1587B0035	4UM5	04/26/88	0.0030	<i>0</i>
33893	DADA1588M8181		06/29/88	0.0030	<i>0</i>
33077	DADA1588M8181		07/29/88	0.0030	<i>0</i>
33229	DADA1588M8181		08/24/88	0.0030	<i>0</i>
33395	DADA1588M8181		09/21/88	0.0030	<i>0.003</i>
* Subsubtotal *				0.0150	

** Subtotal **

0.0850

*** Total ***

0.0850

Doris Burgess

AUTHORIZATION ISOTOPE INVENTORY

INFO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY	NEW ACTIVITY
=====	=====	=====	=====	=====
Authorization # 670				
* Subsubtotal *			0.0000	
** Subtotal **			0.0000	
*** Total ***			0.0000	

mixed
11/88 Co⁵⁷ 1.5 MCI DADA158740035, IUKI
(Went to 660 1st)
Tag # 35350 Beckton Dickinson 88085016 (I¹²⁵ 0.003 mci / vit B¹² Co⁵⁷ 1.5 uCi)
(660 kept I¹²⁵ 0.003 mci)