

OFFICIAL RECORD COPY

## MATERIALS LICENSE

Amendment No. 6

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with the letter dated April 25, 1997	
1. Syncor de Puerto Rico, Inc.		3. License number	52-16345-02MD
2. P.O. Box 4408 Carolina, Puerto Rico 00984		is amended in its entirety to read as follows:	
		4. Expiration date	April 30, 2005 (extended)
		5. Docket or Reference No	030-19134
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Any byproduct material initially distributed in accordance with a specific license issued pursuant to Section 32.72 of 10 CFR Part 32 or a specific license issued to the manufacturer by an Agreement State pursuant to equivalent State requirements	A. Any form initially distributed in accordance with a specific license issued pursuant to Section 32.72 of 10 CFR Part 32 or a specific license issued to the manufacturer by an Agreement State pursuant to equivalent State requirements	A. M o l y b d e n u m 99 - 1.85 terabecquerels (TBq) (50 curies); Technetium 99m - 1.85 TBq (50 curies); Iodine 131 - 33.3 gigabecquerels (GBq) (900 millicuries); All others combined, 18.5 GBq (500 millicuries)	
B. Any byproduct material authorized under 10 CFR, 35.57(a).	B. Any sealed source listed in paragraph 10 CFR 35.57(a) of 10 CFR Part 35 that has been manufactured, labeled, packaged, and distributed in accordance with a specific license issued pursuant to Section 32.74 of 10 CFR Part 32 or a specific license issued to the manufacturer by an Agreement State pursuant to equivalent State regulations	B. 555 megabecquerels (MBq) (15 millicuries) total	
C. Any byproduct material identified in 10 CFR, Part 31.11(a)	C. Prepackaged units for <u>in vitro</u> diagnostic tests	C. 1.85 GBq (50 millicuries)	
D. Uranium (depleted in the isotope uranium 235)	D. Metal enclosed in stainless steel	D. 180 kilograms	

1 000 70  
9706190435 970603  
PDR ADDCK 03019134  
C PDR



ML 20

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

52-16345-02MD

Docket or Reference Number

030-19134

**Amendment No. 6**

9. Authorized Use:

- A. Preparation and distribution of radioactive drugs (includes Mo99/Tc99m generators) to authorized recipients.
- B. Instrument calibration. Redistribution of sources to specifically authorized recipients. Pursuant to Section 32.74 of 10 CFR Part 32, the licensee is authorized to redistribute sources to persons licensed pursuant to Section 10 CFR 35.57(a) of 10 CFR Part 35 or under equivalent licenses of Agreement States.
- C. Redistribution to specific licensees or general licensees pursuant to 31.11 of 10 CFR Part 31 provided the packaging and labelling remain unchanged.
- D. Shielding for molybdenum 99/technetium 99m generators.

Pursuant to Sections 32.72 and 32.74 of 10 CFR Part 32, the licensee is authorized to distribute the byproduct material described in Items 6 and 7 A. through C. of this license to persons licensed pursuant to Sections 35.100, 35.200, and 35.300 of 10 CFR Part 35, or under equivalent Agreement State licenses.

**CONDITIONS**

- 10. Licensed material shall be used only at the licensee's facilities located at WA 15 Los Angeles, Carolina, Puerto Rico.
- 11. A. Licensed material shall be used by, or under the supervision of:
  - (1) a pharmacist working or designated as an authorized nuclear pharmacist in accordance with 32.72(b)(2) and 32.72(b)(3) of 10 CFR Part 32, or
  - (2) authorized on Byproduct Materials License 04-26507-01MD;
- B. The Radiation Safety Officer for this license is Jay R. Simon, R.Ph., and in his absence, James S. Hilton, R.Ph.
- 12. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 52-16345-02MD

Docket or Reference Number 030-19134

Amendment No. 6

**CONDITIONS**

Continued -

12. D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources need not be leak tested if:
  - (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region II, ATTN: Chief, Materials Licensing/Inspection Branch, 61 Forsyth St. S.W., Atlanta, Georgia 30303-3415. The report shall specify the source involved, the test results, and corrective action taken.
- G. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
14. The licensee shall conduct a physical inventory every six months to account for all sources and/or devices received and possessed under this license.
15. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
16. Radioactive waste (e.g., syringes, vials) that contains or is contaminated with radioactive materials that the licensee originally supplied to its customers may be picked up from the licensee's customers and disposed of in accordance with the procedures, statements, and representations in the application dated December 7, 1988.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
  - A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

52-16345-02MD

Docket or Reference Number

030-19134

Amendment No. 6

## CONDITIONS

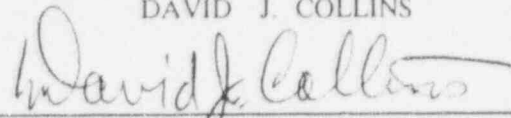
Continued -

17. B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
18. In addition to the possession limits in condition 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity that requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b) or 10 CFR 70.25(d).
19. The licensee shall maintain records of information related to decommissioning at the licensee's facilities located at WA 15 Los Angeles, Carolina, Puerto Rico as specified in 10 CFR 30.35(g) until this license is terminated by the Commission.
20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated December 7, 1988
- B. Letters dated:
1. April 20, 1989 [alternate RSO qualifications]
  2. March 2, 1994 [renewal application]
  3. April 5, 1995 [survey instruments, calibration of dose calibrator, safe use procedures]
  4. July 19, 1996 [transfer of assets to Syncor de P.R. (IAW IN 89-25 Rev. 1); changes to facility; increase I-131 authorization; I-131 handling procedures; dose container and labels; bioassay procedures]
  5. September 28, 1996 [approval of transfer by both Dr. Caamaño and Syncor de P.R., Inc.]
  6. October 24, 1996 (fax) [qualifications of Alicia Alpert]
  7. January 10, 1997 [delete Ms. Alpert, add J.S. Hilton as alternate RSO]
  8. April 25, 1997 [add Messrs. Rueda and Rodriquez as Authorized Nuclear Pharmacists]
- C. Reference NRC Letter dated March 1, 1996, extension of expiration date per 10 CFR 30.36(a)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DAVID J. COLLINS

BY



Region II, Division of Nuclear Materials Safety  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, Georgia 30303-34151

DATE

JUN 03 1997

N:\MLICENSE\52-16345.A06





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SUITE 23T85  
ATLANTA, GA 30303

INFORMATION FOR NRC MATERIAL LICENSEES

JUN 03 1997

Please find enclosed: ☒ Your NRC material license  
☐ Amendment to your NRC material license  
☐ Amendment renewing your NRC material license  
☐ Amendment terminating your NRC material license  
☐ Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 562-4723) so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day in the month and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
  - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
  - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated.
  - c. you have submitted and certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering  $> 30$  uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
  - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
  - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
  - a. when you decide to terminate all activities involving materials authorized under the license; or
  - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.

June 3, 1997

Syncor de Puerto Rico, Inc.  
ATTN: Jay Simon, R.Ph.  
Radiation Safety Officer  
P.O. Box 4408  
Carolina, Puerto Rico 00984

SUBJECT: TRANSMITTAL AND EXPLANATION OF LICENSE AMENDMENT (REFERENCE:  
MAIL CONTROL NO. 25747<sup>o</sup> DOCKET NO. 030-19134)

Dear Mr. Simon:

Enclosed is Amendment 6 to License Number 52-16345-02MD, issued in response to your request letter dated April 25, 1997. Please read carefully and understand the entire license. For your convenience we have highlighted the changes by printing them in **BOLD** type.

We have reviewed the qualification statements for Sr. Rafael E. Rueda, R.Ph., and Sr. Noel Rodriguez, R.Ph. Our determination agrees that they meet the requirements of 10 CFR 35.980 and §32.72(b) for Authorized Nuclear Pharmacists. We have added the reference to the list of documents in License Condition 20.

Should you have any questions, please call me at (404) 562-4735. Our fax number is (404) 562-4955.

Sincerely,

David J. Collins, Health Physicist  
Materials Licensing/Inspection Branch 2  
Division of Nuclear Materials Safety

Enclosure:  
Amendment 6, License No. 52-16345-02MD

Distribution: (See page 2)

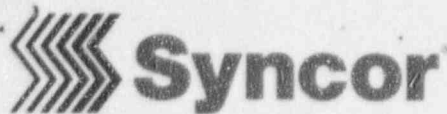
Distribution:

PUBLIC

OFFICE	R11 DNMS	R11 DNMS				
SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>				
NAME	JJCollins	JPPotter				
DATE	06 / 3 / 97	06 / 4 / 97	06 / / 97	06 / / 97	06 / / 97	06 / / 97
COPY?	YES <input checked="" type="radio"/> NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\DNMS\MLIB2\LICLTR\257479.DJC



The Service Difference™

Syncor International Corporation

May 15, 1997

Syncor de Puerto Rico  
WA-15 Marginal  
Urb: Los Angeles  
Carolina, PR 00979  
787-727-1313

USNRC  
License Account Receivable Branch  
Mail Stop T9E10  
Washington, DC 20555

1997 MAY 20 PM 8:50

This letter and check in the amount of Five Hundred and Twenty Dollars (\$520.00) is for the Syncor de Puerto Rico License # MD Amendment dated April 26, 1997. If you have any question please feel free to call.

Thank You,

Fred... Peña  
Syncor de Puerto Rico



BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

: (FOR LFMS USE)  
:  
: INFORMATION FROM LTS  
:  
:  
:  
: Program Code: 02500  
: Status Code: 0  
: Fee Category: 3C 2B  
: Exp. Date: 20050430  
: Fee Comments: 3C OK-SEE 1984 NOTES  
: Decom Fin Assur Req'd: N  
: .....

1997 MAY 19 AM 8:54

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED

Applicant/Licensee: SYNCOR DE PUERTO RICO, INC.  
Received Date: 970502  
Docket No: 3019134  
Control No.: 257479  
License No.: 52-16345-02MD  
Action Type: Amendment

2. FEE ATTACHED

Amount: NONE  
Check No.: \_\_\_\_\_

3. COMMENTS

Signed DIANE HEIM  
Date 5/6/97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /✓/)

1. Fee Category and Amount 3C 2B \$520

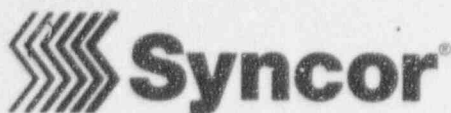
2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed Lita Messin  
Date 5/20/97

Log	<u>May 2 II</u>
Remitter	_____
Check No.	<u>1769</u>
Amount	<u>\$520</u>
Fee Category	<u>3C 2B</u>
Type of Fee	<u>Amend</u>
Date Check Rec'd.	<u>5/20/97</u>
Date Completed	<u>5/20/97</u>
By:	<u>Len</u>



*The Service Difference*

**Syncor International Corporation**

April 25, 1997

Bruce S. Mallett, Director  
Division of Nuclear Materials Safety  
United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323-0199

RE: Amendement Request for Radioactive Material License Number 52-16345-02MD, Syncor de Puerto Rico, Inc.

Please amend the above referenced license to add the names of Rafael E. Rueda R.Ph., and Noel Rodriguez, R.Ph. as Authorized Nuclear Pharmacists. Documentation of their training and experience is attached.

Your consideration in this matter is appreciated.

Sincerely,

Jay Simon  
Director Market Expansion  
Syncor International Corporation

jm

cc: Freddie Pena, Manager  
License file

257479



The Service Difference™

Syncor International Corporation

## RADIOISOTOPE HANDLING EXPERIENCE

Name: Rafael E. Rueda

Date: 4/22/97

Document the actual use/handling of radioactive material under the supervision of an Authorized Nuclear Pharmacist.

ISOTOPE	MAXIMUM ACTIVITY HANDLED	USE See key below: 1,2,3,4,5,6,7	EXPERIENCE Actual clock hours (Include date range of experience)	WHERE EXPERIENCE GAINED
Mo-99	10 uCi	5,7	12/17/96 thru 2/8/97 equals 352 hours	Syncor International Carolina, PR
Tc-99m	7 Ci	1,3,4,5,6,7		
I-131	90 mCi	1,3,4,5,6	3/1/97 thru 3/29/97 equals 176 hours	
Ga-67	300 mCi	1,3,4,5,6		
Tl-201	300 mCi	1,3,4,5,6	Total: 528 hours	
Co-57	1.7 mCi	2		
Cs-137	0.15 mCi	2		
Ba-133	0.17 mCi	2		

Key for "Use": the number, or numbers, entered under "Use" should correspond to the handling experience for each isotope.

1. Ordering, shipping, receiving radioactive materials and performing related radiation surveys
2. Calibrating, using and performing checks for proper operation of dose calibrators, scintillation detectors, survey meters, and, if appropriate, instruments used to measure alpha- or beta-emitting radionuclides
3. Calculating, assaying and safely preparing dosages for patients or human research subjects
4. Using appropriate internal controls to avoid mistakes in the labeling and/or administration of by product material
5. Using procedures to prevent or minimize contamination and using proper decontamination procedures
6. Learning emergency procedures to handle and contain spilled materials safely, including related decontamination procedures, surveys, and wipe tests
7. Eluting Tc-99m from generator systems, assaying the eluate for Tc-99m and for Mo-99 contaminations, and processing the eluate with reagent kits to prepare Tc-99m labeled radioactive drugs

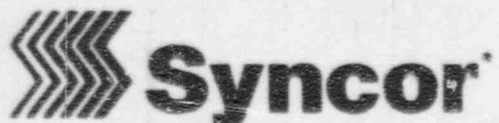
FIGURE 9--1

## TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

Name: Rafael Rueda, R.Ph.

Location of Training	Date(s) of Accordance	Course Title	Total Clock Hours of Course	BREAKDOWN OF COURSE CONTENT IN CLOCK HOURS*					
				Radiation Physics & Instrumentation	Radiation Protection	Math Pertaining to Radioactivity	Radiation Biology	Radio-pharmaceutical Chemistry	
SYNCOR INT'L CORPORATION, CHATSWORTH, CA	2/10/97 thru 2/28/97 AND 3/31/97 thru 4/17/97	SYNCOR AUTHORIZED USERS TRAINING PROGRAM	227	92	50	24	25	36	
*Note: Show a breakdown of hours by institution, dates, and subjects. List each hour only once (i.e., under the most applicable subject category)				92	50	24	25	36	
TOTAL HOURS				227	50	24	25	36	

257479



The Service Difference™

Syncor International Corporation

Syncor International Corporation  
certifies that

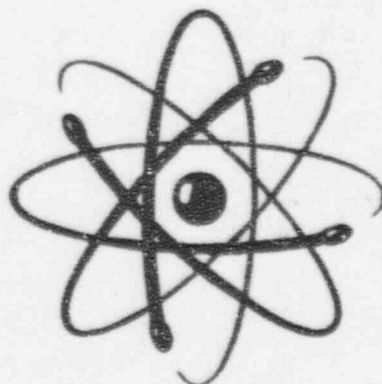
**RAFAEL E. RUEDA**

successfully completed the  
**Authorized Users Training Program**  
on

**April 17, 1997**

Chairman of the Board

Director, Regulatory



President and Chief Executive Officer

Program Manager, Educational Resources

237479



*Butler University*  
*College of Pharmacy and Health Sciences*

*This is to certify that*

*Rafael E. Rueda*

*has successfully completed the*  
*Nuclear Pharmacy Authorized Users Program*

*April 17, 1997*

*Walter B. Mc...*  
Program Director

*Robert C. Lushman*  
Dean

# Estado Libre Asociado de Puerto Rico

Departamento de Salud



Licencia Num.

4576

## LA JUNTA DE FARMACIA

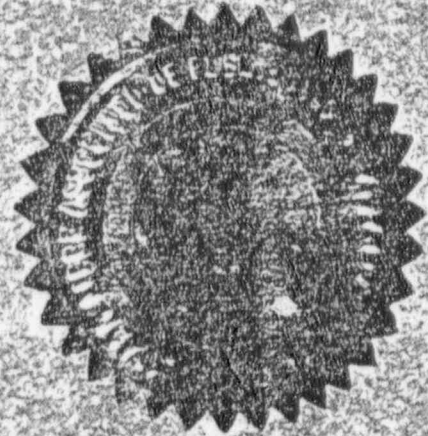
expide esta licencia a

**RAFAEL E. RUEDA SANTIAGO**

por virtud de la cual se le autoriza a ejercer como **Farmacéutico(a)**  
bajo las provisiones de las leyes que regulan esta práctica en Puerto Rico.

Otorogada bajo la firma y sello de esta Junta,

el día 30 de AGOSTO del año de Nuestro Señor mil novecientos noventa y seis.



(Sello)

*[Signature]*  
Presidente de la Junta  
o Representante Autorizado

TRANSLATION: This license authorizes  
the above named professional to  
practice his/her profession.



The Service Difference

ANP Certification

**DOCUMENTATION OF AUTHORIZED NUCLEAR PHARMACIST  
TRAINING**

I hereby certify that the pharmacist listed below has been satisfactorily trained and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy.

Pharmacist Name (print) Rafael E. Rueda, RPh.Pharmacist Signature R. E. Rueda, RPh.Date 4/22/97Preceptor Name (print) JAMES S. HILTON, R.Ph.Preceptor Signature James S. Hilton, R.Ph.Date 4/22/97Location Puerto Rico



La persona cuyo nombre aparece en esta tarjeta es miembro colegiado según lo dispuesto por la ley del CFPR, Ley Núm. 243 del 15 de mayo de 1938, según enmendada.

28354

RAFAEL E RUEDA SANTIAGO  
Lic. 004576

*Rafael E. Rueda Santiago*

FIRMA DEL COLEGIADO

Jul. 1, 1996 - Jun. 30, 1997

Fecha Vigencia

*Ricardo H. Méndez Soto*

TECNICO

ESTADO LIBRE ASOCIADO DE PUERTO RICO  
DEPARTAMENTO DE SALUD  
JUNTA EXAMINADORA



TARJETA DE CERTIFICACION Y REGISTRO

RUEDA SANTIAGO RAFAEL

Profesión FARMACEUTICO

Núm. Licencia 004576

Núm. Registro 75-033673

Fecha Expiración 30/NDV/98

DIRECTOR EJECUTIVO OROP



The Service Difference™

Syncor International Corporation

## RADIOISOTOPE HANDLING EXPERIENCE

Name: Noel Rodriguez

Date: 4/22/97

Document the actual use/handling of radioactive material under the supervision of an Authorized Nuclear Pharmacist.

ISOTOPE	MAXIMUM ACTIVITY HANDLED	USE See key below: 1,2,3,4,5,6,7	EXPERIENCE Actual clock hours (Include date range of experience)	WHERE EXPERIENCE GAINED
Mo-99	10 uCi	5,7	11/12/96 thru 2/8/97 equals 440 hours	Syncor International Carolina, PR
Tc-99m	7 Ci	1,3,4,5,6,7		
I-131	90 mCi	1,3,4,5,6	3/1/97 thru 3/29/97 equals 176 hours	
Ga-67	300 mCi	1,3,4,5,6		
Tl-201	300 mCi	1,3,4,5,6	Total: 616 hours	
Co-57	1.7 mCi	2		
Cs-137	0.15 mCi	2		
Ba-133	0.17 mCi	2		

Key for "Use": the number, or numbers, entered under "Use" should correspond to the handling experience for each isotope.

1. Ordering, shipping, receiving radioactive materials and performing related radiation surveys
2. Calibrating, using and performing checks for proper operation of dose calibrators, scintillation detectors, survey meters, and, if appropriate, instruments used to measure alpha- or beta-emitting radionuclides
3. Calculating, assaying and safely preparing dosages for patients or human research subjects
4. Using appropriate internal controls to avoid mistakes in the labeling and/or administration of by product material
5. Using procedures to prevent or minimize contamination and using proper decontamination procedures
6. Learning emergency procedures to handle and contain spilled materials safely, including reagent decontamination procedures, surveys, and wipe tests
7. Eluting Tc-99m from generator systems, assaying the eluate for Tc-99m and for Mo-99 contaminations, and processing the eluate with reagent kits to prepare Tc-99m labeled radioactive drugs

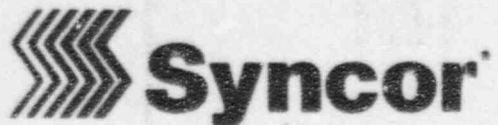


FIGURE 9-1

## TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

Name: Noel Rodriguez, R.Ph.

Location of Training	Date(s) of Accordance	Course Title	Total Clock Hours of Course	BREAKDOWN OF COURSE CONTENT IN CLOCK HOURS*				
				Radiation Physics & Instrumentation	Radiation Protection	Math Pertaining to Radioactivity	Radiation Biology	Radiopharmaceutical Chemistry
SYNCOR INT'L CORPORATION, CHATSWORTH, CA	2/10/97 thru 2/26/97	SYNCOR AUTHORIZED USERS TRAINING PROGRAM	227	92	50	24	25	36
	AND 3/31/97 thru 4/17/97							
*Note: Show a breakdown of hours by institution, dates, and subjects. List each hour only once (i.e., under the most applicable subject category)								
TOTAL HOURS			227	92	50	24	25	36



The Service Difference™

Syncor International Corporation

Syncor International Corporation  
certifies that

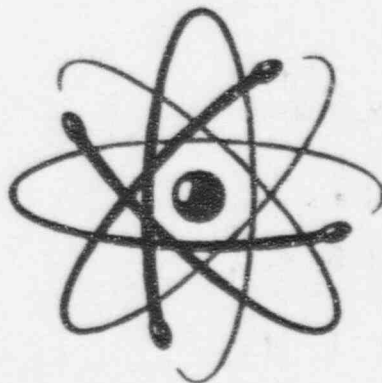
**NOEL RODRIGUEZ**

successfully completed the  
***Authorized Users Training Program***  
on

***April 17, 1997***

Chairman of the Board

Director, Regulatory



President and Chief Executive Officer

Program Manager, Educational Resources

# *Butler University*

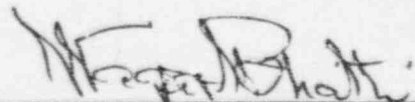
## *College of Pharmacy and Health Sciences*

*This is to certify that*

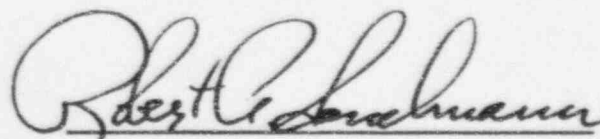
*Noel Rodriguez*

*has successfully completed the  
Nuclear Pharmacy Authorized Users Program*

*April 17, 1997*



Program Director



Dean



ANP Certification

## DOCUMENTATION OF AUTHORIZED NUCLEAR PHARMACIST TRAINING

I hereby certify that the pharmacist listed below has been satisfactorily trained and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy.

Pharmacist Name (print) Noel Rodriguez

Pharmacist Signature [Signature]

Date 4/22/97

Preceptor Name (print) JAMES S. HILTON, R.Ph.

Preceptor Signature [Signature]

Date 4/22/97

Location P.R. - OVERSEAS

# Estado Libre Asociado de Puerto Rico

Departamento de Salud



Licencia Núm. 4491

## LA JUNTA DE FARMACIA

expide esta licencia a

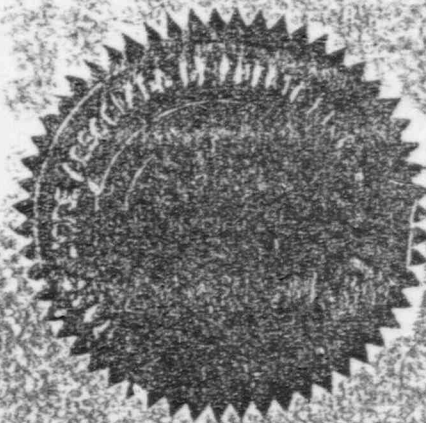
**NOEL RODRIGUEZ QUILES**

por virtud de la cual se le autoriza a ejercer como **Farmacéutico(a)**  
bajo las provisiones de las leyes que regulan esta práctica en Puerto Rico.

Otorgada bajo la firma y sello de esta Junta.

el día 2 de noviembre del año de Nuestro Señor mil novecientos noventa y cinco

(Sello)



Presidente  
Presidente de la Junta  
Representante Autorizado

TRANSLATION: This license authorizes  
the above named professional to  
practice his/her profession.





La persona cuyo nombre aparece en esta tarjeta es miembro colegiado según lo dispuesto por la ley del CFPE Ley Núm. 43 del 15 de mayo de 1938 según enmienda.

25800

NOEL RODRIGUEZ QUILES  
Lic. 094491

FIRMA DEL COLEGIADO

Jul. 1, 1996 - Jun. 30, 1997

Fecha Vigencia

*Fidel H. Méndez Soto*

Tesorero

**Sección 439 - Suspensión por falta de pago**

Cualquier miembro que no pague su cuota y que en los demás aspectos esté calificado como miembro del Colegio quedará suspendido como tal miembro, pero podrá rehabilitarse mediante el pago de lo que adeuda por aquel concepto.

257479