NYU/NYU MEDICAL CENTER **Radiation Safety Office** BELLEVUE HOSPITAL CENTER

NYU MEDICAL CENTER, ROOM RR820, PHONE (212)263-6888, FAX (212)263-8581

To: James Mullaney.

Date: April 10 2000

Re: C14 plate sent to Dr Peggy Ellis at NYU from the Midwest Conservation Center.

Fax # (630) 515-1259

Comments: Please review the second page - carefully check results - and let me know if you have any questions or issues.

From: Christopher H. Marshall PhD

R.S.O. NYU.

If transmission is incomplete, please contact our office at the number above.

Total # of pages 2 (including cover sheet)

fax sheet 2/23/00

SEALED SOURCE LEAK CHECK

Date checked: 04/06/2000

Permit holder: Ellis

Source number: 002
isotope: c14 emission type: beta

Standard used: c14 scint vial source of 0.043 uCi as of 07/20/1963
decayed to: 0.042 uCi

Method Used: liquid scintillation counter
Background = 48 cpm
Standard = 70336 cpm
Net standard counts = 70288 cpm
Efficiency = 0.739 cpm/dpm
Twice background = 129.8 dpm (or 5.8e-005 uCi)

Wipe reading = 1202 cpm
Net wipe counts = 1154 cpm
Net wipe dpm = 1560.33 dpm (or 0.0007 uCi)

LEAKCHECK OK, wipe < 0.005uCi

comments:

leak check performed by [signature] checked by [signature]

202: 1.00
925.0
1202.0 ? sample
0.769
0.924
wipe test

201: 1.00
20712.0
70336.0 standard
0.294
0.959
C14 STD.

200: 1.00
9801.0
115.0
85.226
0.964
H3 STD

199: 1.00
28.0
48.0 ✓ background
0.583
0.880
BKG