

BROOKHAVEN NATIONAL LABORATORY  
ASSOCIATED UNIVERSITIES, INC.

UPTON, L. I., N. Y. 11973

REFER:

TEL. AREA CODE 516 YAPHANK 4-6262

MEDICAL DEPARTMENT

February 11, 1972

Dr. Bryan W. Baker  
Technical Manager, Clinical  
Amersham/Searle  
2636 South Clearbrook Drive  
Arlington Heights, Illinois 60005

REPOSITORY

DOE/PASO

COLLECTION

DOE/NV

BOX No.

1228, "ERDA # 3"

FOLDER

BIO-MED, DR. CONARD  
01 THRU 12/1972

Dear Dr. Baker:

We have now put through a purchase order No. 277158 for the two tellurium-132 generators. As suggested in your letter of January 27th, we are requesting that the first generator, on arrival at Hawaii February 27th, contain 10 mCi. (This would mean that on February 24th, the generator would be a 20 mCi one.) The second generator would contain 5 mCi on arrival at Hawaii March 19th. We have calculated that these amounts should provide us with the necessary <sup>132</sup>I. As you suggested, we will use the 0.01 M sodium thiosulfate in 0.01 M ammonium hydroxide.

Mr. Powell Richards of our laboratory called you some time ago with regard to standardization and it appears that we will have to use the decay factor. He indicated that the average recovery factor would possibly average around 60 percent of the calculated amount. Without any reference standard, this seems to be the only method that we can use to calculate a "ballpark" dose. Should you have any standards available that would be helpful such as <sup>134</sup>Cs, please let me know. We will carry along a <sup>131</sup>I simulator for instrument calibration purposes.

If you have any further suggestions, please let me know. I will appreciate your handling this shipment expeditiously and I will make the necessary arrangements with the AEC at Honolulu to receive these shipments and transship them to me. The address in Honolulu to which the shipment should go is to Mr. William B. Hills, Director, Pacific Area Support Office, U. S. AEC, P. O. Box 9186, Honolulu, Hawaii 96820.

Sincerely,

*Robert A. Conard*  
Robert A. Conard, M. D.

RAC:ls

CC: Mr. William B. Hills

*Mudgill/Gertman - 2/15/72*

5013356