

829-1

WOM



PIONEERS IN X-RAY  
ISOTOPES, NUCLEONICS

**Tracerlab** inc.

TELETYPE: WALTHAM 195

Twinbrook 4-6600

1601 TRAPELO ROAD • WALTHAM 54, MASSACHUSETTS

Pull  
file

Your Ref: L&amp;R:IB:WOM

April 25, 1961

SEALED SOURCE FILES

Mr. William O. Miller  
Isotopes Branch  
Division of Licensing & Regulations  
U. S. Atomic Energy Commission  
Washington 25, D. C.

Dear Mr. Miller:

I am enclosing additional information requested in your letter of 4/20/61 regarding our proposed radiography source.

1. Prototype testing has included only the total submersion tests made at the time of manufacture and again prior to shipment at least 7 days later. In this case the solution is evaporated to dryness and measured with a geiger tube at a total efficiency of approximately 15%.

As you no doubt know this capsule is the old ORNL design. We have made approximately 10,000 of these sources for QCDCM each containing 5 mc. Co-60. I'm sure that Nate Bassin has all the details on that project. We have not detected a leaking source using the leak test method described above. There have of course been some rejects due to malfunction of the heliarc welding apparatus. Sources produced under these conditions are immediately detected and discarded.

We have not considered any other kinds of testing due to the type of construction and method of sealing.

2. This capsule is to be used for cobalt-60 only.

3. The tag will have stamped on it the date and millicurie value. A sample tag is enclosed.

The model number to be assigned will be CD-1.

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PDR RC \*

SSD

PDR

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Mr. William O. Miller

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April 25, 1961

We will look forward to hearing from you regarding the results of your evaluation.

Very truly yours,

*William Karp*

William Karp  
Head, Source Department

WK:mt  
enc.

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