

UNIVERSITY OF CALIFORNIA  
 LOS ALAMOS SCIENTIFIC LABORATORY  
 (CONTRACT W-7403-ENG-36)  
 P. O. Box 1663  
 LOS ALAMOS, NEW MEXICO 87544

October 24, 1975

IN REPLY  
 REFER TO: MP-3  
 MAIL STOP: 844

William Doughty, M.D.  
 School of Medicine  
 Univ. of New Mexico  
 Albuquerque, NM

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Dear Bill:

Jim Reidy and I were sorry to have missed you this summer when we visited UNM. However, we had a fruitful discussion with Charlie Key and Jim Standefer.

We are still very much interested in obtaining tissue samples for use in our continued study of the feasibility of using muonic x-rays for in vivo tissue analysis. If you would still be willing to provide tissue samples from your laboratory we would very much appreciate your help.

In the best-of-all-possible worlds our needs could be satisfied by the following:

1. An equal number (up to five) of both normal liver and cirrhotic liver samples, each from separate individuals.
2. Up to five samples of liver from individuals having hemachromatosis (Again, from separate individuals).
3. Up to five samples of liver tumor. It would be preferred that the amount of normal tissue present be less than 10%.

In order to avoid gross molecular changes in the tissue it would be desirable that the samples be frozen as soon as possible after they are obtained. The samples should be large enough that they can be cut into one of the standard sizes; 5x5x2 cm, 5x5x1 cm, or 3x3x1 cm.

I'm eager to learn of your thoughts and comments about these requirements and also to hear of any other suggestions you might have as to what types of tissue would be of interest to study.

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Charlie Key said, I think, that there was a standard form which should be used for requesting tissue samples from you.

In a week or two, after you've had a chance to think about this subject some more, I'll get in touch with you again.

Sincerely,

*Dick*

Richard L. Hutson

RLH/at1

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