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**Report/Article Title** Memorandum for the Record: Agent Orange -  
Telephone Conversation with Dr. Michael Gross, Dr.  
Lawrence Hobson Research Service and Dr. Paul C.  
LeGolvan, August 1, 1978

**Journal/Book Title**

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**Description Notes**

Memorandum for the Record

*Agent Orange*  
August 1, 1978

SUBJ: Agent Orange - Telephone conversation with Dr. Michael Gross,  
Dr. Lawrence Hobson Research Service (15) and Dr. Paul C. LeGolvan (113)  
on August 1, 1978

1. Dr. Michael L. Gross, Professor of Chemistry - Department of Chemistry, University of Nebraska, Lincoln, Nebraska 68588, Telephone No. (402) 472-2794.
2. Call made to discuss Dr. Hobson's Research proposal - tissue (fat) analyses for Dioxin.
3. Tissue (fat) will be obtained from abdominal wall - about 10 grams (2½cm x 2½cm x 2½cm) on those patients who submit to this biopsy. Local anesthetics will be used. Dr. Gross says this will not interfere with analysis. Control specimens will be obtained from patients undergoing surgery for other reasons. Dr. Hobson asked if the general anesthetic (stored in fat) would interfere, Dr. Gross said, "No".
4. Specimens should be handled sterile and placed in glass tubes with corks. Plastic containers should not be used. Plastic covered tubes or bottles should not be used.
5. Specimens should be frozen in dry ice properly identified labeled and shipped at the beginning of each week to Dr. Michael Gross.
6. Air Freight should be used and usually arrives in about one day.
7. Glass tubes or containers should be washed (cleaned) with reagent acetone.
8. Any premedication used such as barbiturates should be indicated on the specimen information.
9. Instruments should not be cleaned with hexachlorophene.
10. Dr. Gross will analyze specimens when he was received 10 patient specimens plus 10 controls. He prefers to run the specimens blind. He will send the

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results on the 10/10 specimens before proceeding with additional analyses.

11. Dr. Gross indicated he will make an extract of each specimens and analyze aliquots ( $\frac{1}{2}$  -  $\frac{1}{8}$  etc) and retain remaining extracts for repeat analyses if required.

12. For running 20 specimens in a batch - cost will be about \$600 per specimen. Repeat analyses will be somewhat less \$500. If larger batches are run, the cost will be less.

13. Total analyses will cost <sup>d</sup>12,000 to \$20,000

14. Dr. Gross leaves for Europe in 3 weeks and will be gone for 1 month - therefore, will not be able to run the analyses before the end of September.

Dr. Hobson felt this was all right and explained that the entire project would probably take one year.

15. Dr. Hobson and Dr. LeGolvan provided Dr. Gross with their names, addresses and telephone numbers.