



FEDERAL SECURITY AGENCY  
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

November 14, 1951

Communicable Disease Center  
Enteric Bacteriology Laboratories  
P. O. Box 185  
Chamblee, Georgia

Dr. Joshua Lederberg  
The University of Wisconsin  
College of Agriculture  
Department of Genetics  
Madison 6, Wisconsin

Dear Dr. Lederberg:

The phages requested in your letter of October 29 have been forwarded. I trust that they are safely in your hands by this time. I am sorry that a delay occurred in forwarding these materials. It was my impression that they were forwarded very soon after your request was received. Upon a chance inquiry, I learned that they had not been sent to that date.

I believe you will have no difficulty in the propagation of the phages. We have found that very high titered phages could be produced by placing 0.5 ml of the CTC of the phage and 0.5 ml of a young broth culture on a plate. The usual nutrient agar is used for this purpose. First 0.5 ml of culture is placed on the plate. When this has dried an equal amount of the diluted phage is spread over the plate and this also is allowed to dry. These plates are incubated either overnight or for 10 hours in interrupted incubation. At conclusion of the period of incubation the cultures are washed off with 5.0 ml of nutrient broth. This is heated at 57.5 C for 30 minutes. The phages are then centrifuged and titrated.

Trusting that you have obtained good results with the material, I am

Sincerely yours,

Philip R. Edwards, Ph. D.  
Bacteriologist-in-Charge  
Enteric Bacteriology Unit

PRE:mg

*Please destroy these phages when the work is finished  
We are not supposed to distribute them to all and sundry*