Dr. Albert B. Sabin
Department of Pediatrics
The Children's Hospital Research Foundation
University of Cincinnati
Cincinnati, OHIO

Dear Albert:

One of the viruses with which we are working—the Wyeomyia virus described by Roca Garcia—has certain properties in common with Dengue virus. I have already done reciprocal cross-neutralization tests with Wyeomyia and Hawaiian Dengue and have observed no cross-reactions. Dr. Taylor has suggested that Wyeomyia may be related to one of the other Dengue viruses and further, that I should write to ask if you could supply sufficient potent antisera against other Dengue strains to enable me to test this possibility. If you can, both Dr. Taylor and I will be most grateful.

The similarities I mentioned are: incubation period, clinical signs, neutralization by thermolabile factors present in some nonimmune sera, and behavior in chick embryos. We have no evidence at all of antigenic or serologic relationship, but in view of the foregoing, we feel that more extensive exploration of immunological relationships than we have yet done is desirable.

The type of test I usually do could be carried out very nicely with 2.0 ml. each of any sera you are able to supply. Thanks to you in advance.

Are you going to the Cleveland meetings? If so I'll see you there.

Sincerely yours,

Kenneth C. Smithburn

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