LEDERLE LABORATORIES DIVISION

American Cyanamid Company

PEARL RIVER, NEW YORK · CABLE ADDRESS: LEDLAB · TELEPHONE: PEARL RIVER 801

June 30, 1947

Dr. Joshua Lederberg
Yale University
Osborn Botanical Laboratory
New Haven, Connecticut

Dear Doctor Lederberg:

Thanks for your letter of June 28. As requested I am sending you under separate cover the strains 66-1-410 (Flexner type II) and 79-30-2 (Flexner type V). I am also enclosing a vial each of the respective absorbed sera. Even if you do not use them systematically they may come in handy for checking your strains. These sera, by the way, are now available through the usual trade channels.

Thanks for your suggesting the places where I had overlooked the word "linked".

Examples of variations in biochemical properties are of course legion - the strange thing is only that they have never been systematically considered under the viewpoints of genetics. The border-line cases of fermentation of lactose are perhaps the most interesting ones for us bacteriologists because of the systematic importance of this fermentation.

I hope you keep me posted about your experiences with our strains. For instance it would be quite possible that biological ~~properties~~ mutations could be induced more easily than the antigenic ones which were the only ones we systematically tested. It is of course perfectly possible that the

change in indol reaction could be induced without concomitant serological mutation.

Under separate cover I am sending you some reprints.

With best wishes,

Sincerely yours,

A. J. Weil

AJW/MB

A. J. Weil, M. D.