

FEDERAL SECURITY AGENCY

WASHINGTON

Tuberculosis Research Laboratory,
Public Health Service,
411 East 69th St., New York 21, N. Y.

January 24, 1952.

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

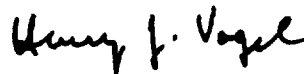
Dear Dr. Lederberg:

This is in reference to your kind offer to test the dominance relationship of penicillin-resistance in K-12.

From your T⁻L⁻B₁⁻ strain W-677, we isolated a single-step penicillin resistant mutant. This mutant grows at a rate comparable to that of its parent on agar plates containing our minimal medium supplemented with 40 γ /ml each of DL-leucine and DL-threonine, and with 0.01 γ /ml of thiamine. The mutant is mucoid on this medium and is resistant to 30 units/ml of penicillin. The parent strain, after incubation at 35° C for 24 hours, grows microscopically in the presence of 10 units/ml of penicillin and appears to be completely suppressed by 30 units/ml.

I greatly appreciate your willingness to do these tests and I am looking forward to hearing from you when you have the results.

Sincerely yours,



Henry J. Vogel

HJV/hl

P.S. - We are mailing the resistant strain under separate cover; it is labelled W-677PR.