

THE UNIVERSITY OF TEXAS  
DEPARTMENT OF CHEMISTRY  
AUSTIN 12

January 29, 1953

Dr. Joshua Lederberg  
Department of Genetics  
University of Wisconsin  
Madison, Wisconsin

Dear Josh:

We tested your Y-109 strain of E. coli side by side with Davis' W strain. The former is very sensitive to inhibition by canavanine, the latter is completely resistant on the same medium. The culture of Y-117 (arginineless) failed to grow in our subculture. If you have the latter mutant still available, we would appreciate another transplant of it.

We are using these cultures to compare the ability of arginine peptides to overcome canavanine inhibition with that of free arginine. So far, behavior is as expected, i.e. peptides are far better reversers of the inhibition than free arginine, although they are hydrolyzed to arginine by the cells.

Best regards,

Sincerely yours,



Esmond E. Snell

EES/mkc