DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY
HARVARD MEDICAL SCHOOL
25 SHATTUCK STREET
BOSTON 15, MASSACHUSETTS

January 22, 1958

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

Dear Doctor Lederberg:

I am sending you by airmail five ampoules of fluorescein isocyanate in acetone which I promised you last month. Although the material is moderately stable at room temperature I advise you to keep it in the cold and in the dark. It can be used according to the directions in the Journal of Experimental Medicine, 91, 1, (1950). After conjugation and dialysis to remove organic solvents, the product can be put through a column of Dowex 2 chloride. We use 20 to 50 mesh 4 per cent cross-linked. This removes the by-products of fluorescein which dialyze with difficulty but which are not protein bound; this makes the problem of non-specific staining considerably easier to solve. On tissue sections we still unfortunately must use tissue powders as described in the earlier papers but for bacterial cells this might not be necessary. It is a matter for experiment.

Concerning the unpublished experiments which we talked about, if you wish to cite them they should be ascribed to Coons, A. H., and Tanaka, N. I intend to describe them briefly in my Harvey Lecture next month which could perhaps be used as a reference although it is not a very good one.

I greatly enjoyed talking with you and hope to see you again soon. With best regards,

Sincerely yours,

Albert H. Coons

AHC:VG

Thanks very much. J. L

What was the company selling the stuff? [Sylvania