28 July 1948

Dr. Albert Sabin
Children's Hospital
Cincinnati, Ohio

Dear Albert:

Enclosed are samples of rabbit anti-vaccinal serum and of vaccinal antigen prepared for chick embryo tissue.

The serum is from a lot which has been used as standard here for several years. Its titer is 1:120 to 1:320 depending on the antigen employed and can be used by you at 1:80 dilution.

There was no recently standardized vaccinal antigen for complement-fixation test. The material supplied had a high infective titer and should fix complement in a dilution of 1:32 to 1:128 with the rabbit serum used at 1:80. We are testing the antigen this afternoon and if it is poor in fixing power, will telegraph you later today.

Best wishes,

Joseph E. Smaadel, M.D.
Scientific Director
Department of Virus and Rickettsial Diseases