

22 (2)

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Dr. Robert White  
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Dear Dr. White:

With apologies for the delay, many thanks for your Kodachrome of double florescent staining. It is certainly very impressive. I do recall your precautions concerning the variation of hue with intensity. There is one spot on the photograph, quite out of focus, that looks as if it might be an intermediate yellow color. The one question that people (for example Dr. Cohn) are going to ask is whether you can say from your own experience what a doubly stained cell would look like. This could be verified experimentally by an obvious method of applying the two colored conjugates of a single antibody to specimens like the section photographed.

Dr. Nossal has just recently arrived from Australia and is very energetically setting about to organize the extension of his program. One item we have discussed is the modification of florescent staining technique to cell suspensions in preference to sections. We discussed this last summer; have you had any experience on this point?

Dr. Cohn's results are more impressive than ever. He has now examined cells from animals exposed to three distinct antigens and finds a quite respectable proportion of cells which are yielding two of the three antibodies in the various combinations. He had a rather low expectation for a triple producer; in any case he did not find any. The "grand difference" between the experiments continues, in my own mind, to be evidently the duration of exposure since all of Cohn's animals have seen at least one of the antigens a year or more prior to their final course of immunization. We are debating how worthwhile it would be to put in a strong effort to verify that this is the basis of the difference in the results.

We have been spending much of our time during the past weeks in moving into our new quarters in the just finished Medical Center, which is one of the excuses I must offer in apology for the delay in this acknowledgment. Dr. Nossal and I will surely look forward to keeping in close touch with you. Please give my best wishes again to Bob Schilling.

Yours sincerely,

Joshua Lederberg  
Professor of Genetics

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