5640 Ellis Avenue

September 25 1951

Dr. E. Klieneberger-Novel The Lister Institute of Preventive Medicine London, England

Dear Dr. Klieneberger:

I understand that you were able to obtain L forms of the B strain of E coli. You will see from the enclosed reprint the type of work which we are doing with this strain. We are anxious to extend this work to the study of L forms in the B strain of coli by means of the chemostat, and I wondered whether you could tell us the exact conditions under which you obtain these L forms and the conditions under which you were able to culture them. In particular, we would be anxious to know whether you can make colony counts of the L forms and what the precise composition of the media are that have to be used.

I know that it is rather bothersome to give such information in detail, but we are in the process of laying out our experimental program for the coming year and are quite anxious to extend if possible our study of the B strain of coli to the L forms.

Yours very sincerely,

Leo Szilard

5640 Ellis Avenue

September 27, 1951

Dr. E. Klieneberger-Nobel The Lister Institute of Preventive Medicine London, England

Dear Dr. Klieneberger:

Since I wrote you a few days ago I heard from Lederberg that you expect to be in this country around the middle of November. Lederberg told me that he is anxious to have you come out here to the Midwest for a visit, and we are anxious that you should come also and shall try to make arrangements to take care of your traveling expenses in case you should be willing to make the trip and give us a talk here in Chicago.

On the assumption that we shall see you in this country, I am writing to say please not to bother about writing us concerning the L forms, since it will be probably more convenient for you to give us this information when you are here.

Yours very sincerely,

Leo Szilard

Phone : SLOane 2181.

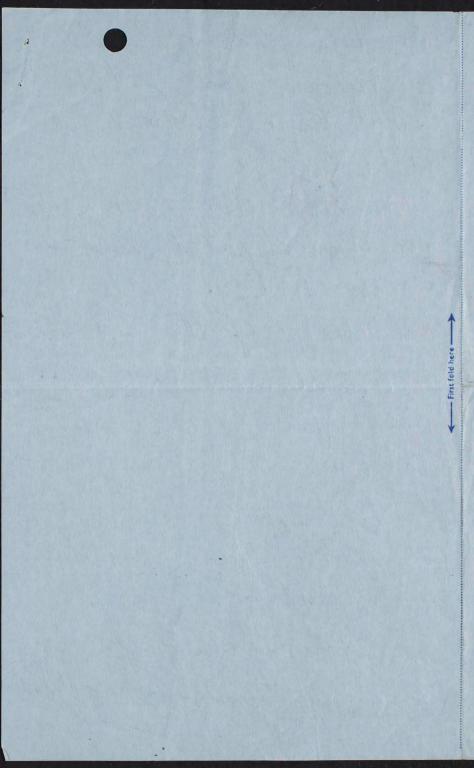
Lister Institute, Chelsea Bridge Road, London, S.W.1.

1.10.57.

Dear br. Szilard,

Thank you for your interesting reprint and your letter of 2 5th Sept. I cultured I forms of Coli B. several times from "sterile" filtrates through candles after the action of 12 or 13 bacteriopliages on the broth culture of the Bstrain. Yet I was not able to maintain the culture in the phase. It reverted quickly to the backlary phase. I am not able to obtain consistent results, nor do I know the conditions under which this experiment

can be refractured at will. of course, one could always of femicillin; but I doubt that this is what you want, and I doubt all together that you could work with the & forms in the way you are working with your bacilli. I think this will not be possible until we know much more about the conditions they require for growth. Sorry I cannot be of • more help. Yours sincerely, E. Klieneberger - Nobel.





AIR LETTER

IF ANYTHING IS EN-CLOSED THIS LETTER WILL BE SENT BY ORDINARY MAIL.





Ir Les Szilard Institute of Rediobiology and Dioflysics, 5640 Ellis Avenue, U.S.A ensis

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Sender's name and address:-*E* . *Nolo*

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8ª Oct. 1951. lear br. Sziland, your kind letter of 24th Sept. I should have loved to come to Chicago and give you a talt and discuss work with you. Unfortunately, I have just heard from New York. that the conference, in which I was going to take part, has been called aff. consequently, ain not coming to the U.S.A. fuit Mow. get I am still hoping that I night have an offortunity to come

over next year. I should they inform you and I night then be able to visit licago. ever investigated morpho= logical changes under the conditions of the chemostat Such an investigation night give some infor = malion.

Still hoping to meet you some time in the near future

Yours incerely Emmy Klieneberger-Nobel.

5650 Ellis Avenue

October 19, 1951

Dr. Emmy Kleineberger-Nobel Lister Institute Chelsea Bridge Road London, S.W.1, England

Dear Dr. Kleineberger-Nobel:

We just heard from the Rockefeller Foundation, to whom we applied for funds to meet your traveling expenses from New York to the Middle West, when your letter arrived stating that you are not now coming to America. We are very sorry about this.

I wish to thank you also for your letter of October 1st. From this I gather that L forms induced by bacteriophage do not yet behave with the desired regularity.

You also say, however, that one could always obtain L forms under the influence of penicillin. For us, this would be equally satisfactory, and I wondered if you could give me the literature reference describing the exact culture conditions of L forms of coli obtained by treatment with penicillin. If there is nothing in print yet, and if it is not too much trouble for you to give us the exact recipe, I should very much appreciate your letting us have it. If it is possible to have colonies from these L forms on suitable plates, we should probably want to have a crack at them in the near future.

Sincerely yours,

Leo Szilard

LS/sds