

(CITC), under the conditions of the reported typical experiment (Table 1), contained a total of 4.428 g of protein in a volume of 1,220 ml. The final eluate, in a volume of 274 ml, contained 1.121 g of protein. This represented, in effect, a net removal of 74.7% of proteinaceous material, while effecting a volume concentration of 4.45 $\times$ . There was a concomitant increase in the CF antigen titer, from just detectable activity in the undiluted to full CF activity with 1:16 antigen dilution of the concentrate against a serum dilution approximating its control antigen

titer (Table 1). Further, it should be noted that no specific CF activity was detectable in the filtrate.

The described procedure for the partial purification and concentration of poliovirus has been applied to all three types of poliovirus, and in every instance has produced an improved CF antigen.

The authors wish to acknowledge the invaluable assistance and collaboration of U. Pentti Kokko, Gilbert M. Schiff, and Harriet H. Tucker.

## ORTHO-PHTHALIC ACID FROM BACTERIAL SPORES—AN ARTIFACT

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Received for publication July 24, 1961

In a previous note (Bacteriol. Proc., p. 64, 1960) we reported the isolation of crystalline *o*-phthalic acid from spores of *Bacillus megaterium*. Extension of these studies revealed that this compound could be isolated only when spores were refluxed in relatively large volumes of 80% ethanol and centrifuged in 50-ml "Lus-

teroid" tubes (International Equipment Company, Boston, Mass.). We have not been able to isolate the acid when centrifugation of alcoholic spore-extracts was conducted in stainless steel tubes. We proceeded to show that 80% ethanol extracts *o*-phthalic acid from the "Lusteroid" tubes themselves.

## ERRATUM

### MUTANTS OF *ESCHERICHIA COLI* CONSTITUTIVE FOR ALKALINE PHOSPHATASE

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Volume 81, no. 5, page 835, col. 2, line 20: after " $\text{KH}_2\text{PO}_4$ ," insert "and  $2 \times 10^{-2}$  M KCl,  $2 \times 10^{-6}$  M  $\text{FeCl}_3$ , and 0.12 M tris buffer, pH 7.4."