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DESCRIPTORS: Separation, \*Proteins, \*Immune  
serums, \*Electrophoresis, Starches.

A method for determining simultaneously several pro-  
tein fractions present in immune sera is described. A  
potato starch solution mixed with a buffer solution is  
distributed over the bottom of a glass dish which is  
partitioned lengthwise by a glass rod. Two strips of  
filter paper are placed on the edge of the dish to make  
contact with the electrodes. A second layer of buffer  
(Biological Sciences-Riochemistry, TT, v. 10, no. 9)  
(over)

63-23044

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starch solution is then poured into the dish. After the plate has dried, along both sides of the glass rod 2 trenches are cut 6-7cm from the cathode. Exactly 0.5ml of serum is introduced into each trench. After absorption of the serum, the trenches are filled with buffered starch solution. Six plates are placed in the electrophoretic chamber, permitting simultaneous analysis of 12 samples. The starch plates are cut into pieces according to the size and position of each fraction. Each piece is centrifuged with 10ml of physiological saline solution. The supernatant fluids represented the isolated protein fractions. Electrophoregrams of protein fractions obtained from normal and immune horse sera, using this technique show that the protein fraction separation was quite precise.

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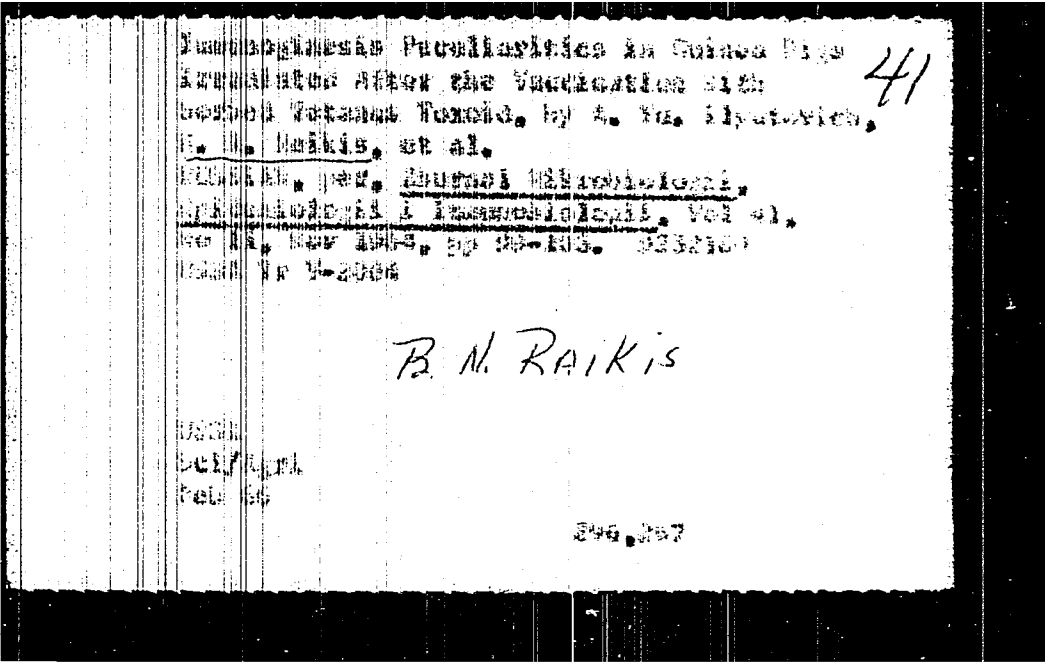
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