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2. Boilers--Design
3. Title: Once-through boiler
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FASEB manuscript no. S 214-2.
Order from OTS or SLA \$1.10

63-23044

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 7,
p. 36-39.

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

A method for determining simultaneously several protein 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--Biochemistry, TT, v. 10, no. 9)
(over)

63-23044

- I. Raikher, I. I.
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Societies for Experimental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

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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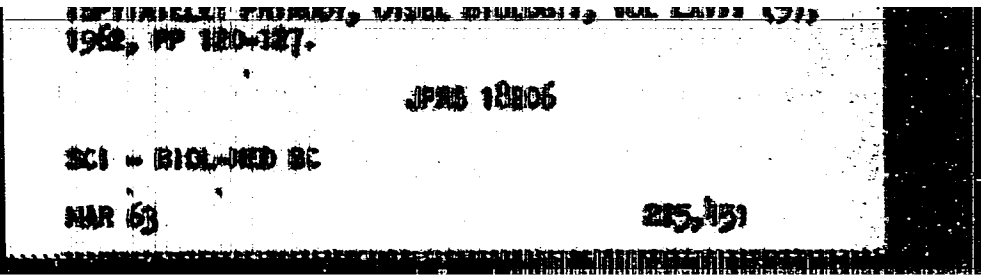
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