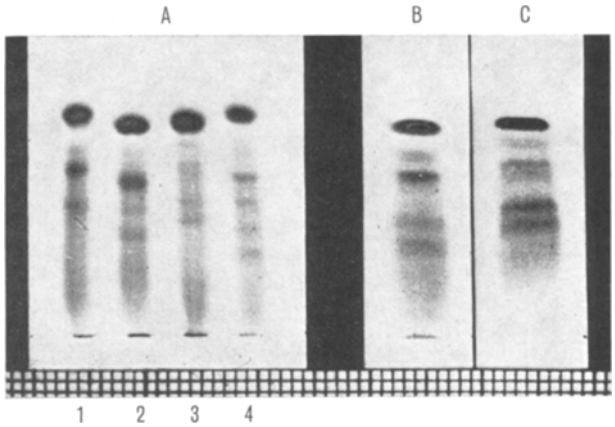
Characteristic 'species specific' microelectropherograms were achieved with all the sera mentioned above. For documentation, however, the sera of horse, pig, man and dog seemed to be preferable (Figure, strip A) because of the greater amount of fractions (cf. [8]). The patterns were distinct and easy to observe even when micro-amounts of samples were analysed. The difference between the electrophoretic patterns of dog serum on strips B and C (Figure) could be interpreted by the presence of unbound Tween 60 on strip C, according to similar results achieved in a previous study with human serum[4]. On both strips, however, a very fine resolution of zones was observed, especially of the doubled α_1-fraction of dog serum.



Microelectrophoresis of different sera on nitrocellulose. Strip A: HUFS membrane impregnated with Tween 60, excess of the detergent removed. 1, horse; 2, pig; 3, man; 4, dog. Strip B: VUFS membrane impregnated with Tween 60, excess of the detergent removed; dog serum. Strip C: VUFS membrane impregnated with Tween 60, excess of the detergent not removed; dog serum. Veronal-citrate-oxalate buffer, pH 8.6; 0.4–0.5 mA/cm, 15–20 V/cm; 15 min runs; stained with nigrosine. A comparative millimetre scale is added below.

The results presented here might serve as a further example of the applicability of the simple and rapid microelectrophoresis on nitrocellulose membranes impregnated with Tween 60.

Zusammenfassung. Durch mikroelektrophoretische Trennungen von Serumproteinen verschiedener Tierarten wurden weitere Anwendungsmöglichkeiten der Methode an mit Tween 60 (Polyglykolsorbitolmonostearat) imprägnierten Nitrocellulose Membranen geprüft. Die verwendete einfache Mikrotechnik erwies sich als besonders geeignet, charakteristische Unterschiede der Seren zu erfassen.

T. I. PŘISTOUPIL

Institute of Hematology and Blood Transfusion, Prague (Czechoslovakia), January 13, 1966.

[8] T. BEDNAŘÍK and H. CAJTHAMLOVÁ, Hoppe Seyler's Z. physiol. Chem., in press.

CONGRESSUS

Canada

Symposium on Synthesis

Banff (Alberta, Canada), August 31–September 2, 1966

Speakers and chairmen will include: H. MUXFELDT, R. U. LEMIEUX, K. WIESNER, S. MASAMUNE, A. J. BIRCH, ALEXIS A. OSWALD, P. YATES, P. R. v. SCHLEYER, E. VOGEL, and E. VAN TAMELEN.

In the open session there will be the opportunity to present in short communications (10–20 min) new significant results of general interest concerning organic synthesis. The contributions to the open session will be selected by a committee and applications with an informative abstract and an indication of the time and projection facilities required should reach the Symposium Secretary, Dr. F. W. BACHELOR, Department of Chemistry, C.I.C., University of Alberta, Calgary, Alberta, Canada, not later than August 15, 1966.

Belgium

Second International Conference on Methods of Preparing and Storing Labelled Compounds

Brussels, November 28–December 3, 1966

Communications about chemical synthesis, radiochemical synthesis, biochemical synthesis.

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