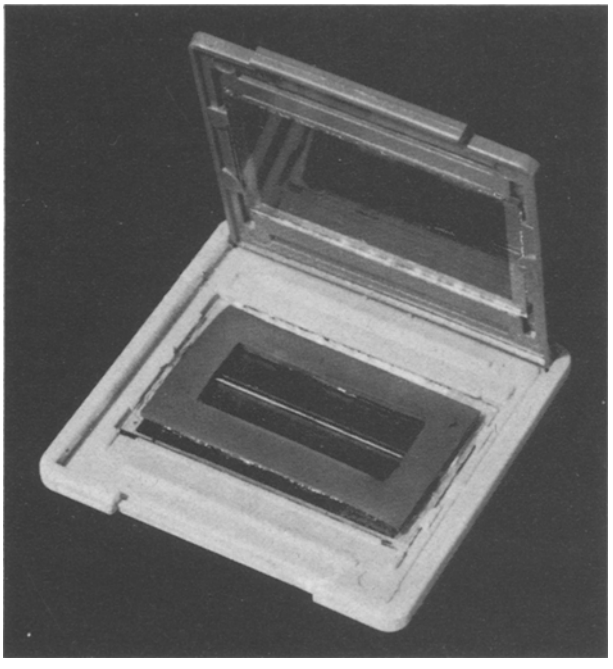

Fig. 1. Slide frame, modified for accomodating microgels, in open position ready for loading.

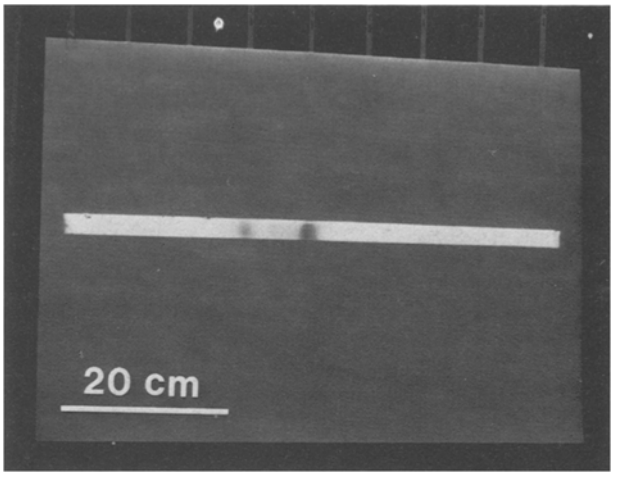

Fig. 2. Illustration of the projection of a gel with a diameter of 1.0 mm. The gel, 1.7% acrylamide + 0.7% agarose, was loaded with 0.20 µg of brain microsomal RNA and run 45′ at an average current of 200 µA[4].

mobilities of the resolved molecular species relative to a reference band. These data for RNA and SDS protein microelectrophoresis provide the possibility of determination of molecular parameters such as the molecular weight[2,3] and molecular radii[5].

If the migration distances of the reference band are not identical from gel to gel in a series of experiments, they can easily be standardized by varying the projector-screen distance or zooming the objective. Densitometry can also be made with the gel inside the frame and direct photocopying without losing information in a negative can also be performed. Further, in staff-meetings presentation of gels by this procedure seems ideal.

A modification making it feasible to accomodate several gels in one frame can be made by substituting several bars (25 mm × 1 mm × 1 mm) for the 2 rectangular pieces of glass, thus producing a number of slit-troughs. It seems to us that this system often sufficiently meets many demands, that it is versatile and is associated with a negligible expense.

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PRAEMIA

Prize 'Biochemical Analysis' 1978

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