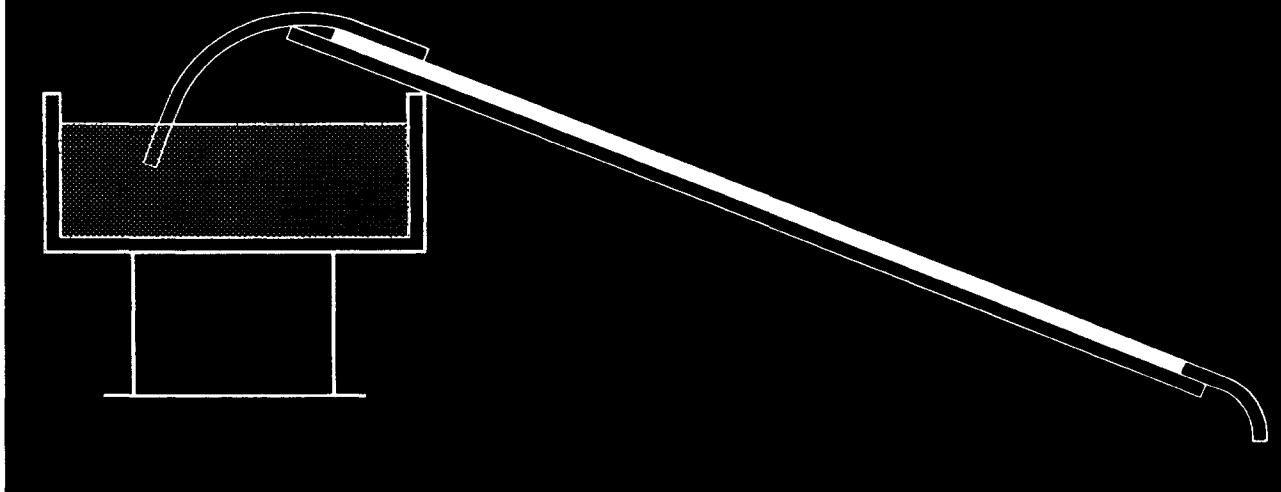


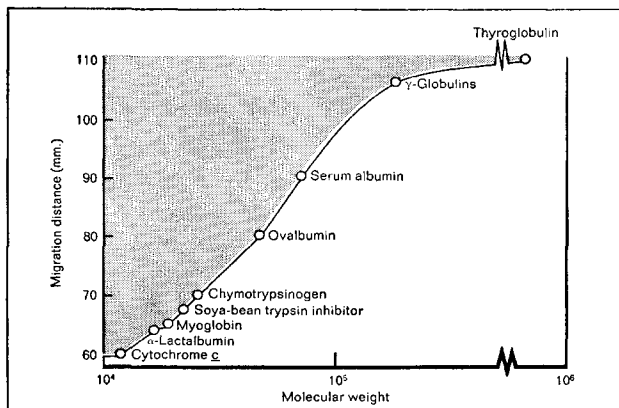
THIN-LAYER GEL FILTRATION



with **SEPHADEX® SUPERFINE**

The advantages of both Sephadex gel filtration and thin-layer chromatography can now be utilized with the new Sephadex Superfine. In recent years both TLC and gel filtration have become important analytic tools. Both combine simplicity and speed.

All six Sephadex types from G-25 to G-200 are available in the superfine grade. The small particle size of Sephadex Superfine (between 10 and 40 microns) produces very thin layers—even with the more porous types of gel, G-100, G-150, and G-200.



Correlation between the molecular weight of 9 proteins and their migration rate in thin-layer gel filtration on Sephadex Superfine G-100 was investigated. Measurements from separate experiments were correlated by expression on the common basis of 6 cm. migration by cytochrome c.

(Andrews, P., *Biochem. J.* (1964) 91,222, by permission of the author.)

The various Sephadex types have the following fractionation ranges.

Sephadex Type	Fractionation Range (MW)*
G-25	100- 5,000
G-50	500- 10,000
G-75	1,000- 50,000
G-100	5,000-100,000
G-150	5,000-150,000
G-200	5,000-200,000

*Determined for polysaccharides.

Sephadex Superfine gels can be applied to glass plates by ordinary TLC equipment. They adhere easily to the plates. Addition of adhesive is not necessary.

The new technique is an important complement to other analytic methods, particularly where only small sample quantities of experimental material are available. It is also useful for determining the optimum conditions for column experiments.

Sephadex Superfine may be used in place of normal Sephadex in gel filtration columns if very high resolution is required.

Sephadex Superfine has also been used as a supporting medium in column electrophoresis and in partition chromatography.

Further information including booklet *THIN-LAYER GEL FILTRATION* obtainable from:



PHARMACIA FINE CHEMICALS INC.

800 Centennial Avenue, Piscataway, N. J. 08854
Pharmacia (Canada) Ltd., 110 Place Cr  mazie, Suite 412,
Montreal 11, P. Q.

(Inquiries outside U.S.A. or Canada should be directed to
PHARMACIA FINE CHEMICALS, Uppsala, Sweden.)

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