

Bibliography on Spectrophotometry of Turbid Suspensions

Review

Shibata, K. Spectrophotometry of translucent biological materials—opal glass transmission method. *Methods of Biochemical Analysis*, 7, 77 (1959). An excellent account of the principles underlying the rescattering technique. Unfortunately the review does not treat the problems of the absorption of light by chromophores within particles of high refractive increment. The bibliography of this review is a thorough treatment of the subject.

Clarified suspensions

Barer, R. Spectrophotometry of clarified suspensions. *Science* 121, 709 (1955). The essence of this technique is to match as nearly as possible the refractive indices of the cell and the suspending fluid to minimize light scattering. In theory this method should give a more reliable spectrum than rescattering.

Integrating sphere

Bateman, J. B., and Monk, G. W. Spectral absorption of turbid suspensions using diffuse light. *Science*, 121, 441 (1955).

Rediffusion

Smith, J. H. C., Shibata, K., and Hart, R. W. A spectrophotometer accessory for measuring absorption spectra of light-scattering samples. *Arch. Biochem. Biophys.*, 72, 457 (1957).

Correction for scattering

Keilin, D. and Hartree, E. F. Spectrophotometric study of suspensions of pigmented particles. *Biochim. et Biophys. Acta*, 27, 173 (1958).