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Abstract

The binding of sodium n-dodecyl sulfate (SDS) to glucose oxidase was studied at
pH 3.2 and 6.4 by equilibrium dialysis at 37°C. The binding data have been
analysed in terms of Scatchard plots which show unusual minima. These plots were

analysed for two interacting sets of sites. Equations for the free energy of
binding of each set of sites were obtained by a combination of the Tanford and
Hill theories to obtain the affinities of each set of sites.

Keywords: sodium n-dodecyl sulfate; glucose oxidase; binding affinities

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