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## **PROTOLYTIC BEHAVIOR OF INDICATOR DYE IN THE MODEL MEMBRANE SYSTEMS. I. DYE PARTITIONING INTO LIPID PHASE**

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Protolytic and partition equilibria of indicator dyes in the model lipid systems have been analyzed. A methodological approach has been developed allowing the partition coefficients of the protonated and deprotonated dye forms to be derived from spectrophotometric measurements. The most effective ways of employing the indicator dyes for monitoring the changes in the lipid bilayer properties have been suggested.

**KEY WORDS:** protolytic equilibria, indicator dye, partition coefficient, lipid bilayer