

Interpretation of spin labels spectra applied for the study of the lipid fluidity – Interpretacja widm znaczników spinowych stosowanych w badaniach płynności lipidów błon

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Spin labeling has become one of the most popular and valuable spectroscopic techniques used especially in membrane research. The electron paramagnetic resonance spectra EPR of nitroxide spin labels provided novel information about kinetic and structural properties of biological membranes as well as of model systems (phospholipid bilayers). The article presents the methods of interpretation of EPR spectra of spin labeled membranes. We also discuss some limitations of this technique application for the study of biological membranes.