

*Valery Kochev.* BIOSENSORS WITH ELECTROCHEMICAL TRANSDUCTION. I. POTENTIOMETRIC SENSORS

The work is devoted to biosensors with electrochemical signal transduction. In this first part, the attention is focused on the potentiometric sensors. The basic concepts, main parts, as well as the areas of biosensors employment are considered at the beginning. The most common principles in the design of this type of sensors and popular constructions are then reviewed.

***Key words:*** potentiometric biosensors, molecular recognition, biomembranes, ENFET

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