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Analytical possibilities of amperometric choline esterase biosensors in continuous-flow analysis

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Abstract

A model set-up of a simple and convenient continuous-flow analyzer (enzyme reactor) that includes an amperometric choline esterase biosensor for the determination of potential contaminants of the environment is developed. Various modifications of the biosensors developed are used for determination of toxicants in a flow within the concentration range from 1×10^{-3} to $n \times 10^{-13}$ M over 16-36 h. ©1996 Plenum Publishing Corporation.
