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Potentiometric sensors for the determination of cholinesterase inhibitors

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Abstract

Analytical characteristics of the determination of organophosphorus pesticides by means of cholinesterase potentiometric sensors with gelatin, paper, and cellulose nitrate membranes are examined with respect to the nature of membranes and determination conditions. A method is developed for the electrochemical activation of thione organophosphorus pesticides; this method consists in the electrochemical oxidation of the pesticides in the presence of sodium or potassium halides and provides an opportunity to significantly reduce the time for sample preparation and to simplify this procedure. © 1996 MAEe Cyrillic signK Hayka/Interperiodica Publishing.
