A Quick Assay for Na\(^+\)-K\(^+\)-ATPase Specific Activity

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**Na\(^+\)-K\(^+\)-ATPase, Synaptosome, Protein Assay**

The method describes a simultaneous determination of inorganic phosphate (Pi) and protein content from a reaction mixture used for assay of adult rat cerebrocortical synaptosomal membrane Na\(^+\)-K\(^+\)-ATPase specific activity. The present method is more convenient, accurate and quicker compared to the existing methods for the determination of Na\(^+\)-K\(^+\)-ATPase activity. It also eliminates the possible errors in protein estimation by other classical methods in brain, which have a high lipid content.