

## The determination of the dissociation constant for the carboxyl and amino groups on the albumin by potentiometric titration

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### Abstract

The effect of pH and potassium chloride on the sorption of hydrogen ions and hydroxide ions to albumin is studied by potentiometric titration. It is established that the amount of adsorbed ions  $H^+$  and  $OH^-$  at the albumin depends on pH and ionic strength. The point of zero charge for albumin has been defined. The number of albumin functional groups participating in the exchange of protons and hydroxide ions and their average dissociation constants have been calculated based on the sorption data.