

## Enzyme Kinetics Principles And Methods

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the rate constants of individual steps of the reaction.

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Some enzymes demonstrate group specificity. For example, alkaline phosphatase (an enzyme that is commonly encountered in first-year laboratory sessions on enzyme kinetics) can remove a phosphate group from a variety of substrates. Other enzymes demonstrate much higher specificity,...

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In a separate section a comparison is drawn between enzyme kinetics and pharmacokinetics, two closely related areas, both depending on enzyme reactions and thus sharing various similarities. However, there are also essential differences, enzyme kinetics treating defined enzyme reactions, while pharmacoki-

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however, they must be treated as equivalent partners (unlike for enzyme kinetics, where the enzyme as catalyst does not take part in the reaction). As a precondition for binding studies specific binding must be established and unspecific association excluded. There exist many reasons for unspecific binding,

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