

CHAPTER 2. ENZYMES

Enzymes are biological catalyst which speed up a chemical reactions without alter itself. the term enzyme was first of all used by german scientist Winhelm Kuhne in 1878

characteristics of Enzyme

Enzymes are the biochemical catalyst and posses the following important characteristics

- ① Nature:- Enzymes are proteins in nature and are secreted by cells.
- ② Catalyst:- They act like catalyst and speed up a-biochemical reactions
- ③ Specific for Reaction:- Enzymes are specific in action. they are not specific only for substrate but also for the kind of biochemical reactions.
- ④ Used in small amount:- Enzymes are required in very small amount as compared to the amount of substrate.
- ⑤ Specific active center:- Enzyme have specific active center called active site. which is attached to the substrate.
- ⑥ Sensitivity:- Enzyme are sensitive to the changing of temperature, PH, etc. these may stop their activity.