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NEW

BIOTECHNOLOGIES

INTRODUCTION TO ENZYMATIC ANALYSIS – SESSION IN ENGLISH

OBJECTIFS

Understand the basic principles of enzymatic analysis and its applications.
Become familiar with common methods and techniques used to measure enzyme activity.
Interpret and critically assess enzymatic assay results in a laboratory context.

CONTENU PÉDAGOGIQUE

/ THEORY

- **Enzymes**
  - Structure and the active site
  - The enzyme–substrate complex
- **Enzyme–substrate reaction**
  - Concept of initial velocity
  - The Michaelis–Menten model
  - Kinetic parameters of a single-substrate reaction: graphical determination
- **Effectors of enzymatic reactions**
  - Influence of pH and temperature
  - Enzyme inhibition: basic concepts
  - Kinetic parameters of inhibition
- **Methods for measuring enzymatic activity**
- **Substrate assays**
  - General principles: endpoint assays, kinetic assays
  - Review of selected protocols (case studies)

/ PRACTICAL WORK

- Kinetics
- Substrate assays
- Measurement of enzyme activity

DURÉE
2,5 days -18 hours

SESSIONS

- 16 - 18 (am) mars 2026 en présentiel à CPE LYON

FRAIS D'INSCRIPTION (DÉJEUNER INCLUS)

€ 1 875 excluding VAT

PRÉREQUIS & PUBLIC CONCERNÉ

Technicians, Senior Technicians, All staff working in analytical control laboratories

Coordonnées

CPE Lyon Formation Continue

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