

AMBT21 BIOSENSOR

1. Introduction to Biosensors: Concepts and applications.
2. Biosensors for personal diabetes management.
3. Microfabricated Sensors and the Commercial Development of the I- stat Point-of-Care system.
4. Noninvasive Biosensors in Clinical Analysis.
5. Surface Plasmon Resonance.
6. Biosensors based on Evanescent Waves.
7. Applications of Biosensor-based instruments to the bioprocess industry.
8. Application of Biosensors to environmental samples.
9. Introduction to Biochips and their application in modern sciences.

Reference Books

1. Commercial Biosensor: Grahm Ramsay, John Wiley & Son, INC. (1998)