

PROTEIN ANALYSIS ON GEL : Western Blot et 2-D Gel (7H)

Program :

1. Introduction
 - 1.1. Protein structure
 - 1.2. Fluorescence
2. Sample preparation
 - 2.1. Introduction
 - 2.2. Protein extraction
 - 2.3. Purification of samples
 - 2.4. Protein dosage
3. Electrophoresis gels
 - 3.1. Electrophoresis
 - 3.2. Molecular markers
 - 3.3. Total protein staining
4. Protein transfer
 - 4.1. The options
 - 4.2. Transfer buffers
 - 4.3. Membranes
 - 4.4. Confirmation of correct protein transfer
5. Protein immunostaining
 - 5.1. Blocking non-specific sites
 - 5.2. Primary and secondary antibodies
 - 5.3. Optimization
 - 5.4. Membrane reuse
6. Detection
 - 6.1. Chemiluminescence
 - 6.2. Fluorescence
 - 6.3. Chemifluorescence
7. The acquisition of images of the protein gels
 - 7.1. Digital images
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8. Quantitative analysis of proteins