

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Istamboul

11-13/07/11



Turkish
Academy of
Sciences

ENHANCING BIOSAFETY & BIOSECURITY IN NORTH AFRICA AND THE MIDDLE EAST IPM EXPERIENCE



Prof. Mohammed Hassar
Institut Pasteur du Maroc
& AMABIOS (MOBSA)





**DISEASES ARE BEHIND US,
WITH US OR AHEAD OF US**



Medical Virology Hépatitis HIV/AIDS











Royaume du Maroc
Ministère de la Santé

VIROLOGY LABORATORY

OBJECTIVES

- Detect, isolate and analyze viruses by virological, immunological and molecular biology technics
- Develop an advanced scientific research in the field of viral infectious diseases (SARS, Avian Influenza, Rabies, AIDS, Enteric Viruses...)
- Ensure control of biological contamination with maximum protection of handlers and the environment against highly pathogenic agents.

EQUIPMENT

- | | |
|---------------------------------|-------------------------------------|
| * Biosafety Level 3 Unit | * Freezer -20°C (06) |
| * Cabinet, class II safety (05) | * Freezer -80°C (01) |
| * Incubators (06) | * Liquid nitrogen Container (02) |
| * Refrigerated centrifuge (03) | * Thermal cycler for PCR (03) |
| * Microscopes: standard (03) | * Thermal cycler real time PCR (02) |
| * Microscopes: inverted (02) | * Autoclave (01) |
| * Refrigerators (05) | * Molecular imager system (01) |
| | * Automatic sequencer (01) |
| | * Other laboratory equipment |

HUMAN RESOURCES

- 01 MD
- 02 PhD
- 02 Engineer
- 01 Technician

ANNUAL BUDGET

Total	<u>1 600 KDH</u>
Reagent	1 300 KDH
Maintenance	300 KDH



- Building: 260 m²
- BSL3 Laboratory : 36 m²
- Total cost 7 131 679 DH
 - Construction 1 204 178 DH
 - BSL3 4 651 416 DH
 - Equipment 1 276 085 DH
 - Maintenance(y) 300 000 DH

BSL3 Laboratories within the RIIP (International Network of Pasteur Institutes)



Many Thanks to Dr Jalal NOURLIL

Responsable du Laboratoire de Virologie Médicale

