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MASA Department  
Master 1 Applied Microbiology  
Subject: Microorganisms and Health  
Teacher: Dr. Alioua

## **Practical session No. 3: Identification of bacteria isolated using a miniaturized gallery (API Gallery)**

### **Equipment and apparatus:**

- Oven at 37°C
- Sterile test tubes
- Platinum handle
- Pasteur pipettes

### **Products and reagents:**

- API Gallery 20E Bio Mérieux
- API Gallery Staph Bio Mérieux
- Physiological saline or sterile distilled water
- Vaseline oil
- Nit1, Nit2, VP1, VP2, TDA, JAMES reagents
- Zinc Powder

### **Operating procedure:**

- Reading and interpretation of the results of the classical biochemical gallery (TSI, Simmons citrate, nitrate reductase, mannitol mobility)
- Preparation of the bacterial inoculum
- API gallery inoculation
- Incubation at 37°C for 24 hours
- Reading API 20E galleries, API Staph
- Interpretation of results via:
  - ✓ The digital profile
  - ✓ The analytical table
  - ✓ Web API software