

Tutorial N°1 : Microbiological Control Techniques

1. Mark the following sentences as true or false, with the correction::

- All microbes are bacteria
- Algae are found among microbes
- Teichoic acids are characteristic components of the Gram-positive cell wall
- A strict aerobic microorganism cannot use so-called anaerobic respiration
- Preservation methods are sterilization methods
- Agar-agar is the solidifying agent in culture media
- Any culture medium can be used for any bacterium
- GRAM staining is a simple staining method
- The cell wall is present in all bacteria
- An antibiotic solution can be added to the culture medium before sterilization
- The number of microorganisms in a food product must necessarily be considered an indicator of poor sanitary quality.

2. Check the method(s) used for sterilization, preservation, or disinfection.

	Flambage	Autoclave	Filtration	U.V	Chloroform	Pasteur oven	Pasteurization
Platinum loop							
Test tube							
Tips (micropipette tip)							
Bottle							
Culture medium							
Antibiotic solution							
Incubator							
Pasteur pipette							
The air							
Milk							
100 ml physiological water							
Laminar flow hoods							
Albuminous media							

3. How can we identify microbial growth in a liquid medium and a solid medium?