

MEDICAL MICROBIOLOGY

" 240 MIC "

نورة الكبيسي Nalkubaisi@ksu.edu.sa 2021

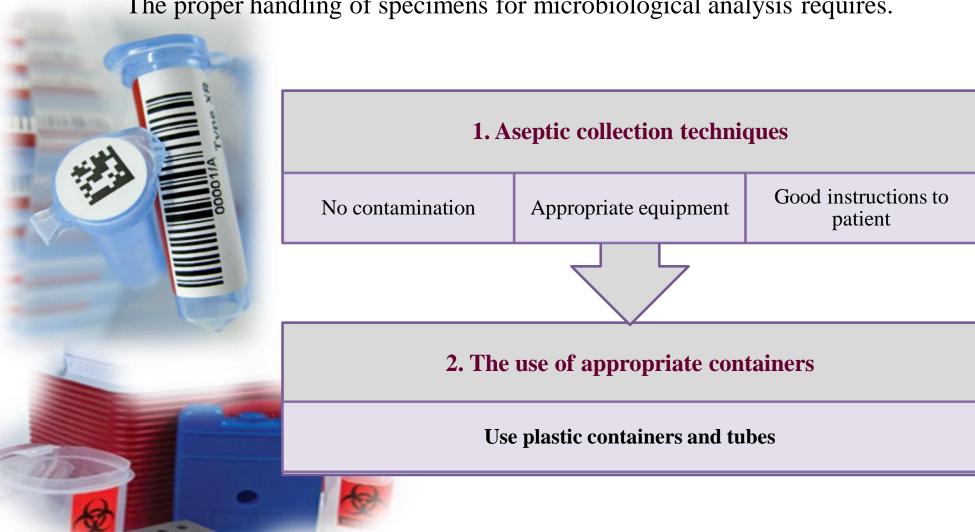
MEDICAL MICROBIOLOGY

It is a branch of both medicine and microbiology which deals with the study of microorganisms, including bacteria, viruses, fungi and parasites which are of medical importance and are capable of causing diseases in human beings.



SPECIMEN HANDLING AND TRANSPORT

The proper handling of specimens for microbiological analysis requires.



SPECIMEN HANDLING AND TRANSPORT

The proper handling of specimens for microbiological analysis requires.

3. Suitable means for preservation

* The specimens which can be refrigerated in laboratory- Citrated whole blood, urine, stool samples and specimens of water, food and milk.

* The specimens that can be stored at room temperature- whole blood required for the serum, cough plates for *Bordetella pertussis* and specimens for *Nisseria gonorrhoeaen* and *N. meingitides*.

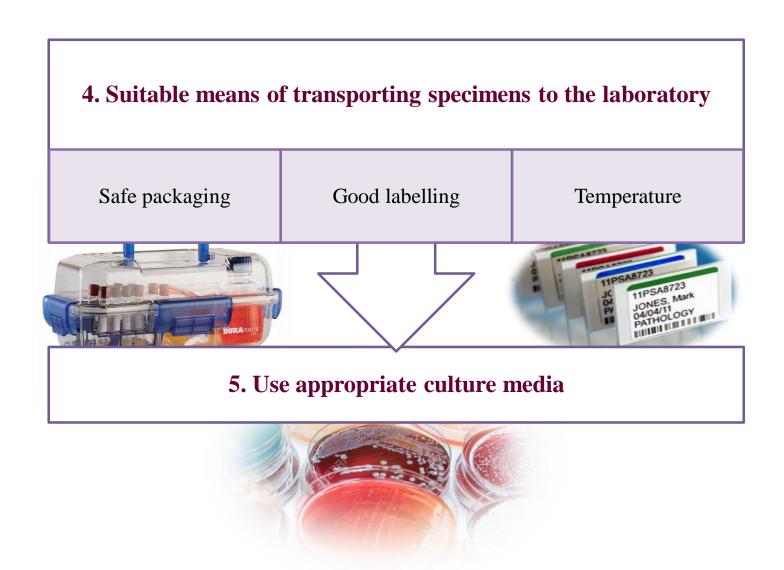
* Entamoeba histolytica should be stored at body temperature (37°C).

* Swab specimens for the throat, wound or vaginal cultures do not require the addition of preservatives and they can be transported in holding media (Stuart's), which maintain organisms on viable state.

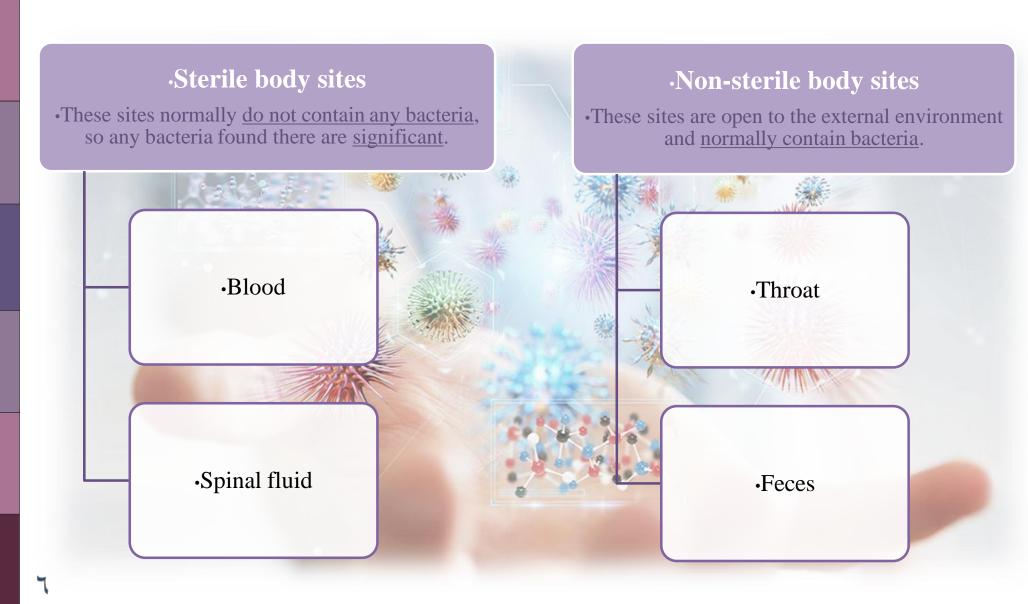
- *Preservatives like buffered glycerol-saline and ethylene diamine tetracetic acid (EDTA) can be used in keeping fecal samples that are to be tested for enteric pathogens.
 - * Formalin (common preservatives) is germicidal and should not be used to preserve specimens for microbiological analysis.

SPECIMEN HANDLING AND TRANSPORT

The proper handling of specimens for microbiological analysis requires.



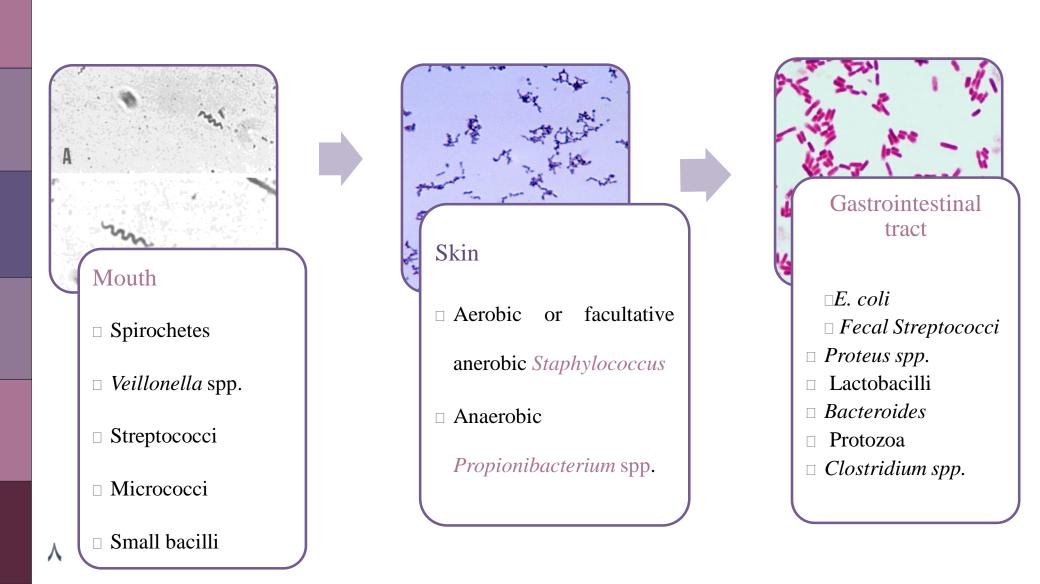
> STERILE AND NON-STERILE BODY SITES



INDIGENOUS FLORA

- Microorganisms normally are present in many regions of the body.
- These populations represent the **indigenous flora** of the body.
- These microorganisms of the body serve several useful functions, for example the intestinal flora produce various vitamins and help in the maintenance of the antibody synthetic system.

INDIGENOUS MICROORGANISM OF HUMAN BODY



The End

