

PRATICAL WORK (Dr BENDIMERAD Nahida)

SIMPLE COLOURING METHYLENE BLUE STAINING

I-PURPOSE

To study the morphology of the bacteria

- Shape
- Size
- Group

II-PREPARING A RUBBING

- Put a drop of a bacterial suspension on a slide
- Spread the drop without rubbing
- fix the preparation to the flame of the Bensen burner until the blade is dry

II- USE THE COLOUR

- Put two or three drops on the smear
- Leave on for one minute
- Rinse with distilled water
- Dry with absorbent paper without rubbing
- Observe under a microscope GROSSX100 with immersion (a drop of immersion oil)

III-INTERPRETATION OF RESULTS

*The bacteria appear in different forms

-Round called ; coccis

-Length ; bacil

*Also available in different sizes

large , small

*And different groupings

- In two diplococci, diplobacilli
- By four tetrads, tetrads, tetrads
- Or groups in clusters, in bunches of grapes (for cocci) or in chains (for bacilli)
- Bacteria can also have different shapes: star-shaped, bean-shaped, comma-shaped, rectangular, etc