

| Colony Characteristics                                                                                                |                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><i>Staphylococcus aureus</i></p> | <ul style="list-style-type: none"> <li>Circular</li> <li>Palvinate</li> <li>Entire</li> <li>Smooth</li> </ul>                                      |
|                                     | <ul style="list-style-type: none"> <li>Circular</li> <li>Umbonate</li> <li>Curled</li> <li>Smooth</li> <li>Wrinkles</li> <li>Glistening</li> </ul> |
|  <p><i>Bacillus mycoides</i></p>   | <ul style="list-style-type: none"> <li>Fillamentous</li> <li>Raised</li> <li>Filamentous</li> <li>Smooth</li> <li>Glistening</li> </ul>            |

### Response to Gram staining:

The method of gram staining separates bacteria into two different types: gram-positive cells (these retain the crystal violet-iodine complex, which therefore makes it appear purple), and gram-negative

# Unit 15 – Assignment 2 – M4

## Gram staining

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