

Name:

Date:

Oral microbiology II

Task 1: Proof of *Streptococcus mutans* in dental plaque

Direct proof of *Streptococcus mutans* in dental plaque can be performed with commercially available kits. According to the assistant's instructions read the test for presence of *Streptococcus mutans* in dental plaque and assess the risk of dental caries in this patient.

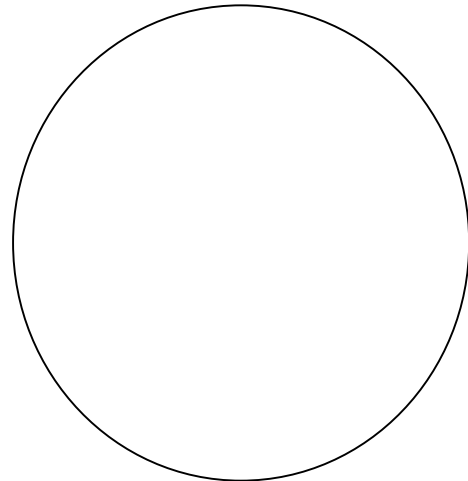
Task 2: Microflora of the oral cavity

According to the assistant's instructions prepare fixed preparations of the swab of buccal tissue or upper part of the tongue on the glass. Fix the preparation, stain and observe with immersion objective magnifying 100× (total magnification 1000×). Draw the results (consider shape and colour of present bacteria and presence of other formations).



Task 3: Culture of common oral microflora

Study the Petri dishes with cultured microflora of the oral cavity. Notice common microflora – note the alpha haemolytic streptococci, look for the presence of oral neisseriae and haemophili. Evaluate presence of some of pathogenic bacteria. Draw and write your results.



Name:

Date:

Check-up questions:

1. Which bacteria are the parts of common oral microflora? Name at least five genera and five species.

4. What are focal infections?

5. Why it is necessary in patients with valve defect to perform larger manipulations under antibiotic cover?