

Name

Bench ID

Date

<ref>MICR3004</ref>

1. Classification

1.1. Higher order taxa

Kingdom – Domain – Phylum – Class – Order – Family – Genus

1.2. Species

Species name and type strain (consult LPSN <http://www.bacterio.net/index.html> for this information)

2. Description and significance

Give a general description of the species (e.g. where/when was it first discovered, where is it commonly found, has it been cultured, functional role, type of bacterium [Gram+/-], morphology, etc.) and explain why it is important to study this microorganism.

3. Genome structure

Select a strain for which genome information (e.g. size, plasmids, distinct genes, etc.) is available.

4. Cell structure and metabolism

Cell wall, biofilm formation, motility, metabolic functions.

5. Ecology

Aerobe/anaerobe, habitat (location in the oral cavity, potential other environments) and microbe/host interactions.

6. Pathology

Do these microorganisms cause disease in the oral cavity or elsewhere?

7. Application to biotechnology

Bioengineering, biotechnologically relevant enzyme/compound production, drug targets,...

8. Current research

Summarise some of the most recent discoveries regarding this species.

9. References