

## MicrobeWiki TEMPLATE

**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 ([website](#))

### ***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***

Summarize some of the most recent discoveries regarding this species.

### ***9. References***