

FLAGELLATION IN BACTERIA

FLAGELLATION

- ◉ Bacteria may be motile or non-motile .
- ◉ Motile bacteria contain a large number of small hair like structure called cilia
- ◉ fewer number of relatively larger structure called flagella.

TYPES OF FLAGELLA

- Atrichous
- Monotrichous
- Amphitrichous
- Lophotrichous
- Peritrichous
- cephalotrichous

TYPES OF FLAGELLA

1. Atrichous:- these bacteria do not contain flagella and hence they are non-motile.eg- Pasteurella, lactobacillus.
2. Monotrichous:- bacteria which contain one flagella at one end of the cell are called monotrichous .eg- pseudomonas, Vibrio cholerae
3. Amphitrichous:- these bacteria contain at both the ends of their cell. Eg- Nitrosomonas

TYPES OF FLAGELLA

4. Lophotrichous:- they contain many flagella at both the end of cell.eg-Spirillum volutans.
5. peritrichous:- there are many flagella evenly distributed all over the bacterium. Eg- Escherichia, Salmonella typhae.
6. Cephalotrichous:- these bacteria contain many flagella (tuft of flagella) at one end. Eg-Pseudomonas fluorescens.