

## SHAPES OF BACTERIA

The name	Name root	Size	Types	Notes
Spherica/Cacci	Originated from a greek word; kokkos=grain / kernel	0.5 $\mu$ -1.25 $\mu$ in diameter	1-Micrococci: appears singly. 2-Diplococcus: appear in a pairs of cells. 3-Streptococci: appear in rows of cells or in chains. 4-Staphylococci: arrange in irregular clusters like bunches of grapes 5-Tetracoccus: arrange in a sequence of four. 6-Sarcinae: arrange in cuboidal or in a different geometrical or packet arrangements.	
Rod shaped/Bacillus	Originated from a greek word;rod/stick	0.5 $\mu$ -1.2 $\mu$ in diameter & 3-7 $\mu$ in length	1-Monobacillus: arrange singly. 2-Diplobacillus: present in a group of two. 3- Streptobacillus : in chains. 4- Palisade: Very rarely the bacillus arrange in a palisade arrangement.	1-Their end are rounded flat or pointed 2-Flagellated or non-Flagellated

Spiral/Helical	Originated from a greek word;spira=coiled	0.5-3 $\mu$ in diameter & 10-50 $\mu$ in length	A single spirillum has more than one turn of helix	They are Flagellated
Vibrio/Coma		1.5-1.7 $\mu$ in diameter & upto 10 $\mu$ in length	They bear flagella at their end	e.g Vibrio cholerae
Spirochaeta		Their length is more as compared to their diameter	These bacteria appears like a corkscrew	Their body is more flexible