

DESCRIPTION OF THE MAJOR CATEGORIES & GROUPS OF BACTERIA

I. Gram-negative eubacteria that have cell walls

Group 1: The spirochetes	Treponema Borrelia Leptospira
Group 2: Aerobic/microaerophilic, motile helical/vibroid gram-negative bacteria	Campylobacter Helicobacter Spirillum
Group 3: Nonmotile (or rarely motile) curved bacteria	None
Group 4: Gram-negative aerobic/microaerophilic rods and cocci	Alcaligenes Bordetella Brucella Francisella Legionella Moraxella Neisseria Pseudomonas Rochalimaea Bacteroides (some species)
Group 5: Facultatively anaerobic gram-negative rods	Escherichia (and related coliform bacteria) Klebsiella Proteus Providencia Salmonella Shigella Yersinia Vibrio Haemophilus Pasteurella
Group 6: Gram-negative, anaerobic, straight, curved, and helical rods	Bacteroides Fusobacterium Prevotella
Group 7: Dissimilatory sulfate- or sulfur-reducing bacteria	None
Group 8: Anaerobic gram-negative cocci	None
Group 9: The rickettsiae and chlamydiae	Rickettsia Coxiella Chlamydia

Group 10: Anoxygenic phototrophic bacteria	None
Group 11: Oxygenic phototrophic bacteria	None
Group 12: Aerobic chemolithotrophic bacteria and assorted organisms	None
Group 13: Budding or appendaged bacteria	None
Group 14: Sheathed bacteria	None
Group 15: Nonphotosynthetic, nonfruiting gliding bacteria	Capnocytophaga
Group 16: Fruiting gliding bacteria: the myxobacteria	None

II. Gram-positive bacteria that have cell walls

Group 17: Gram-positive cocci	Enterococcus Peptostreptococcus Staphylococcus Streptococcus
Group 18: Endospore-forming gram-positive rods and cocci	Bacillus Clostridium
Group 19: Regular, nonsporing gram-positive rods	Erysepelothrix Listeria
Group 20: Irregular, nonsporing gram-positive rods	Actinomyces Corynebacterium Mobiluncus
Group 21: The mycobacteria	Mycobacterium
Groups 22–29: Actinomycetes	Nocardia Streptomyces Rhodococcus

III. Cell wall-less eubacteria: The mycoplasmas or mollicutes

Group 30: Mycoplasmas	Mycoplasma Ureaplasma
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IV. Archaeobacteria

Group 31: The methanogens	None
Group 32: Archaeal sulfate reducers	None
Group 33: Extremely halophilic archaeobacteria	None
Group 34: Cell wall-less archaeobacteria	None
Group 35: Extremely thermophilic and hyperthermophilic sulfur metabolizers	None