

I. System

A.Domains

- 1.Bacteria
- 2.Archaea
- 3.Eukarya

B.Eukaryotic Classification

- 1.Kingdom
- 2.Phylum
- 3.Class
- 4.Order
- 5.Family
- 6.Genus
- 7.Species

C.Prokaryotic Classification

- 1.species
- 2.Below species
 - a. strain
 - b. serovar

D.Scientific Nomenclature

- 1.binomial nomenclature
- 2.ATCC

E.Special group

- 1.enterics
 - a. enterotube

II.Methods of Classification

A.Morphological

B.Differential staining

C.Biochemical

D.Serology

- 1.Antibody
- 2.Antigen
- 3.Testing
 - a. agglutination
 - b. ELISA
 - c. Western blot

E.Phage typing

- 1.DNA Composition
- 2.DNA fingerprinting
- 3.rRNA sequencing
- 4.Nucleic acid hybridization
- 5.DNA probes

III.NOTE

A. Bergey's Manual