

APPENDIX B
CLASSIFICATION OF SELECT PARASITE GROUPS

CLASSIFICATION

I. The general classification scheme for animals is (from more to less inclusive): Kingdom, Phylum, Class, Order, Family, Genus, Species. Further each classification may be subdivided into other categories such as: suborders, subphyla, subclasses, superfamilies, etc.

II. Protozoa is a term that describes unicellular, eukaryotic, “animal-like” organisms. The four subphyla Apicomplexa, Sarcocystophora, Sarcodina and Ciliophora contain most of the protozoa of veterinary medical importance.

Phylum Protozoa

Subphylum Apicomplexa

Class Sporozoa

Subclass: Coccidia (coccidians)

Subclass: Hemosporina (malaria & piroplasms)

Subphylum Sarcocystophora

Class Mastigophora (mucosoflagellates & hemoflagellates)

Class Sarcodina (amoebas)

Subphylum Ciliophora (ciliates)

III. “Helminth” (= worm) is a term generally applied to organisms in the two phyla Nematelminthes and Platyhelminthes.

Phylum Platyhelminthes

Class: Trematoda (flukes)

Order: Digenea

Class Cestoda (tapeworms)

Order Cyclophyllidea (= Eucestoda)

Families: Taeniidae, Anoplocephalidae,

Families: Dipylidiidae, Mesocestoididae

Order Pseudophyllidea (= Cotyloda)

Family: Diphyllbothriidae

Phylum Nematoda (=Nematelminthes) (roundworms)

Class: Secernentea (= Phasmodia)

Orders: Rhabditida, Strongylida, Oxyurida, Ascaridida, Spirurida

Class: Adenophorea (= Aphasmodia)

Order: Enoplida

IV. "Arthropod" is a term that describes animals with jointed limbs, chitinous exoskeletons and segmented bodies. The Phylum Arthropoda contains a vast number of diverse organisms. Most of the organisms of veterinary medical importance are in the two classes Arachnida and Insecta.

Phylum Arthropoda

Class: Arachnida

Order Acarina

Suborder: Metastigmata (ticks)

Suborder: Mesostigmata (mites)

Suborder: Astigmata (mites)

Suborder: Prostigmata (mites)

Class: Insecta

Order: Anoplura (sucking lice)

Order: Mallophaga (chewing lice)

Order: Siphonaptera (fleas)

Order: Hemiptera (bugs)

Order: Diptera (flies and mosquitoes)