

**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, Sarcomastigophora, 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 Sarcomastigophora**

**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: Diphylobothriidae**

#### **Phylum Nematoda (=Nematelminthes) (roundworms)**

**Class: Secernentea (= Phasmidia)**

**Orders: Rhabditida, Strongylida, Oxyurida, Ascaridida, Spirurida**

**Class: Adenophorea (= Aphasmidia)**

**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)