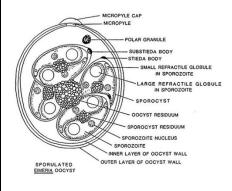


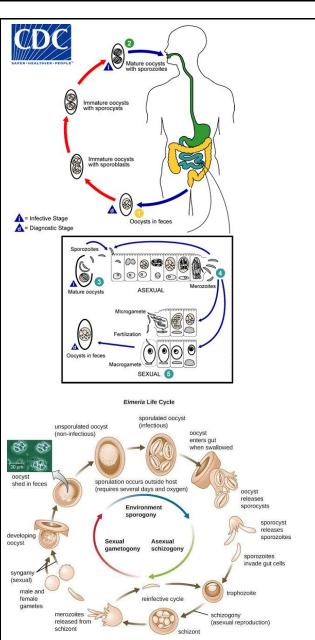
APICOMPLEXA/SPOROZOA

Eimeria spp. (Eimeriida/Coccidia)

Oocysts are discernible only by use of a compound microscope (wide range of oocyst sizes so difficult to distinguish species).

Molecular techniques using DNA to specifically identify the oocysts. Morphology of sporulated locust is important





Cause Coccidiosis, diarrhoea (poultry, lambs, calves, pigs). Usually not apparent until sent to market. Decreased weight gain, malabsorption, increased FCR, droopiness, emaciation, death, rupture of schizonts in the lamina propriety is the major lesion resulting in epithelial sloughing and blood loss.

Cosmopolitan distribution. Many species; chickens, sheep, goats, cattle, pigs and horses are each infected with their own species. 7 species in chickens: E. acervulina, E. brunetti, E. maxima, E. mitis, E. necatrix, E. praecox, and E. tenella.

Farm history, clinical examination, post mortem examination, microscopic examination, scraping of the intestinal mucosa will reveal schizonts, PCR.

Vaccination in 1st week. chemoprophyla xis (using anticoxidial drugs), infections treated with sulphonamides, amprolium, monensin or toltrazuril. To prevent, avoid moist, warm conditions for sporulation and stressors (overstocking, contamination)/