

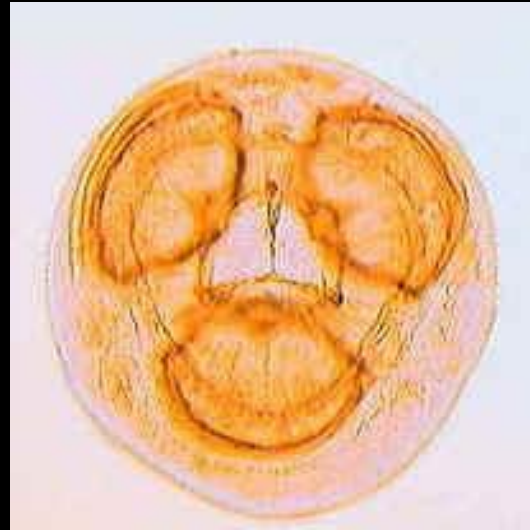
实验一 线虫

实验目的

- 掌握蛔虫、鞭虫、蛲虫、钩虫成虫大体标本和虫卵的显微镜下形态。
- 掌握丝虫成虫大体标本、丝虫微丝蚴和旋毛虫肌肉幼虫镜下形态。
- 掌握粪便直接涂片法、自然沉淀法和透明胶纸法等实验操作过程及适用范围。
- 熟悉粪类圆线虫、广州管圆线虫的形态和诊断方法。
- 注：请结合视频和教材内容进行试验学习。

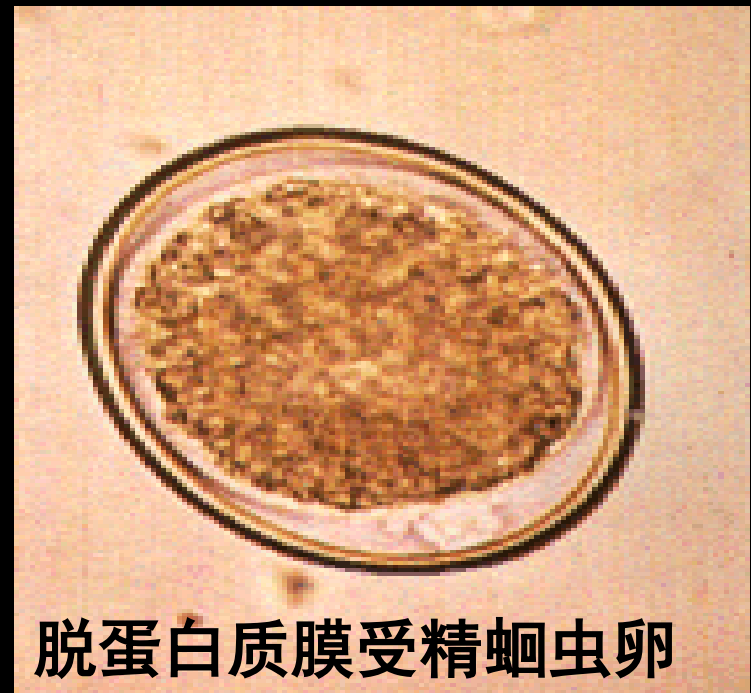
实验内容

蛔虫成虫





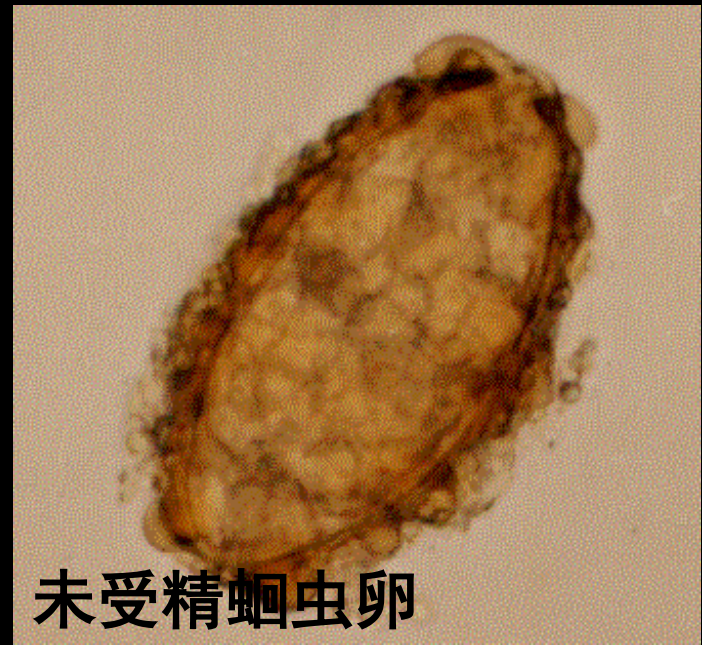
受精蛔虫卵



脱蛋白质膜受精蛔虫卵



感染期蛔虫卵

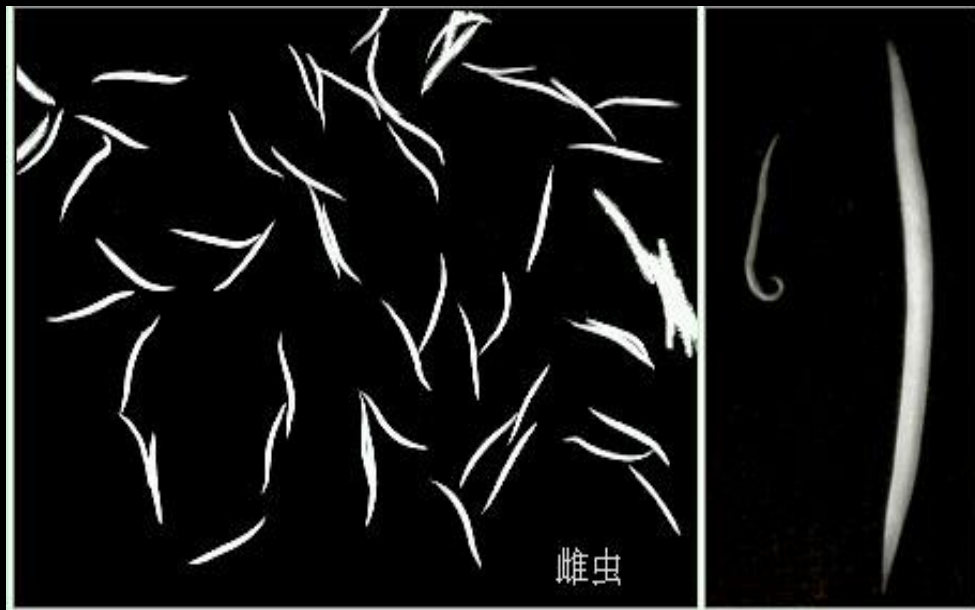
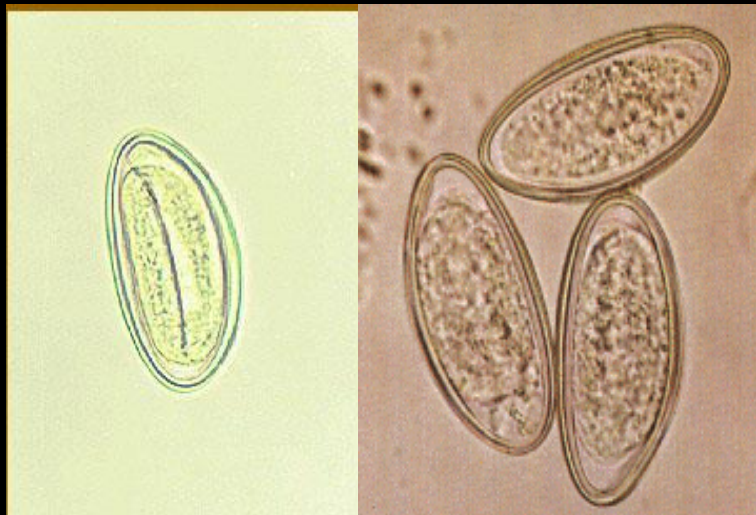


未受精蛔虫卵



鞭虫





蛲虫



十二指肠钩虫



美洲钩虫



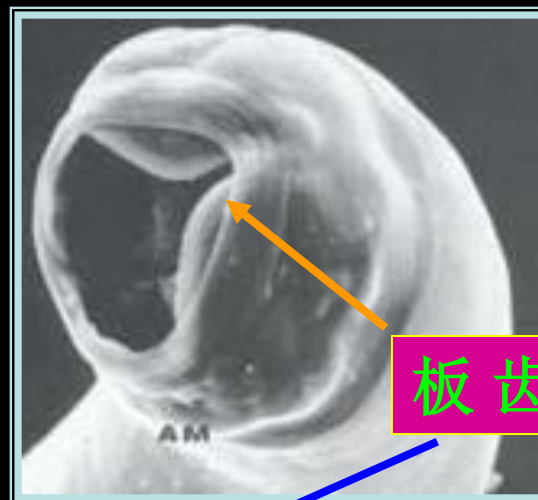
十二指肠钩虫

美洲钩虫

口
囊

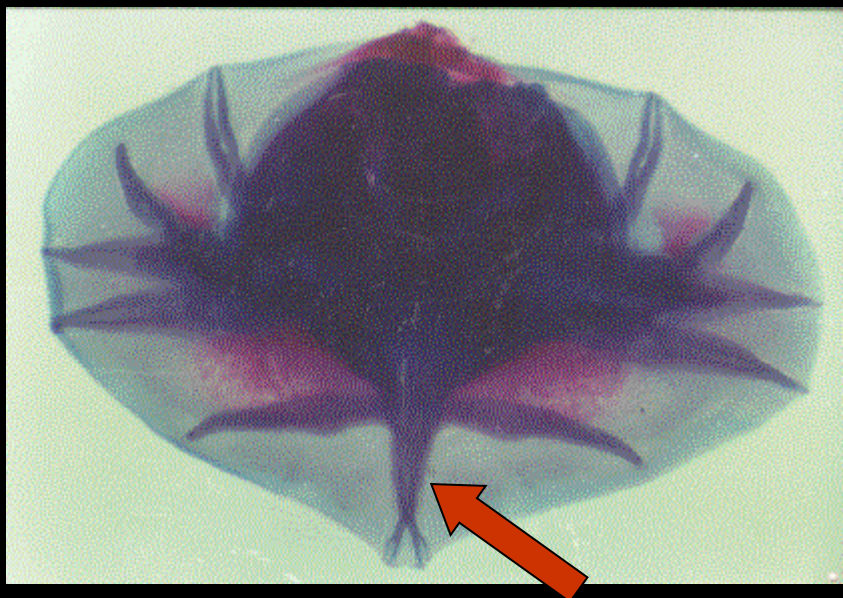


钩齿



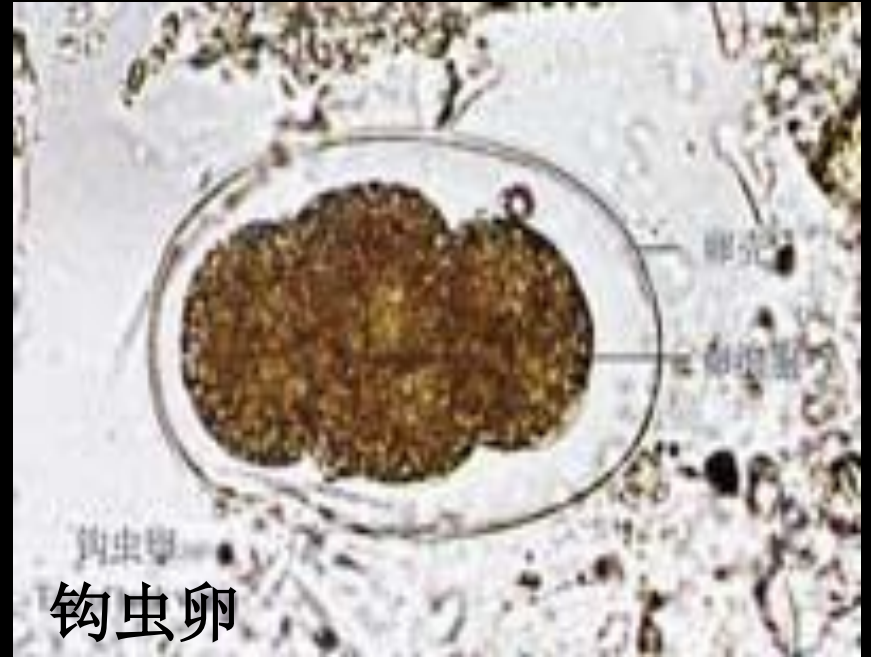
板齿



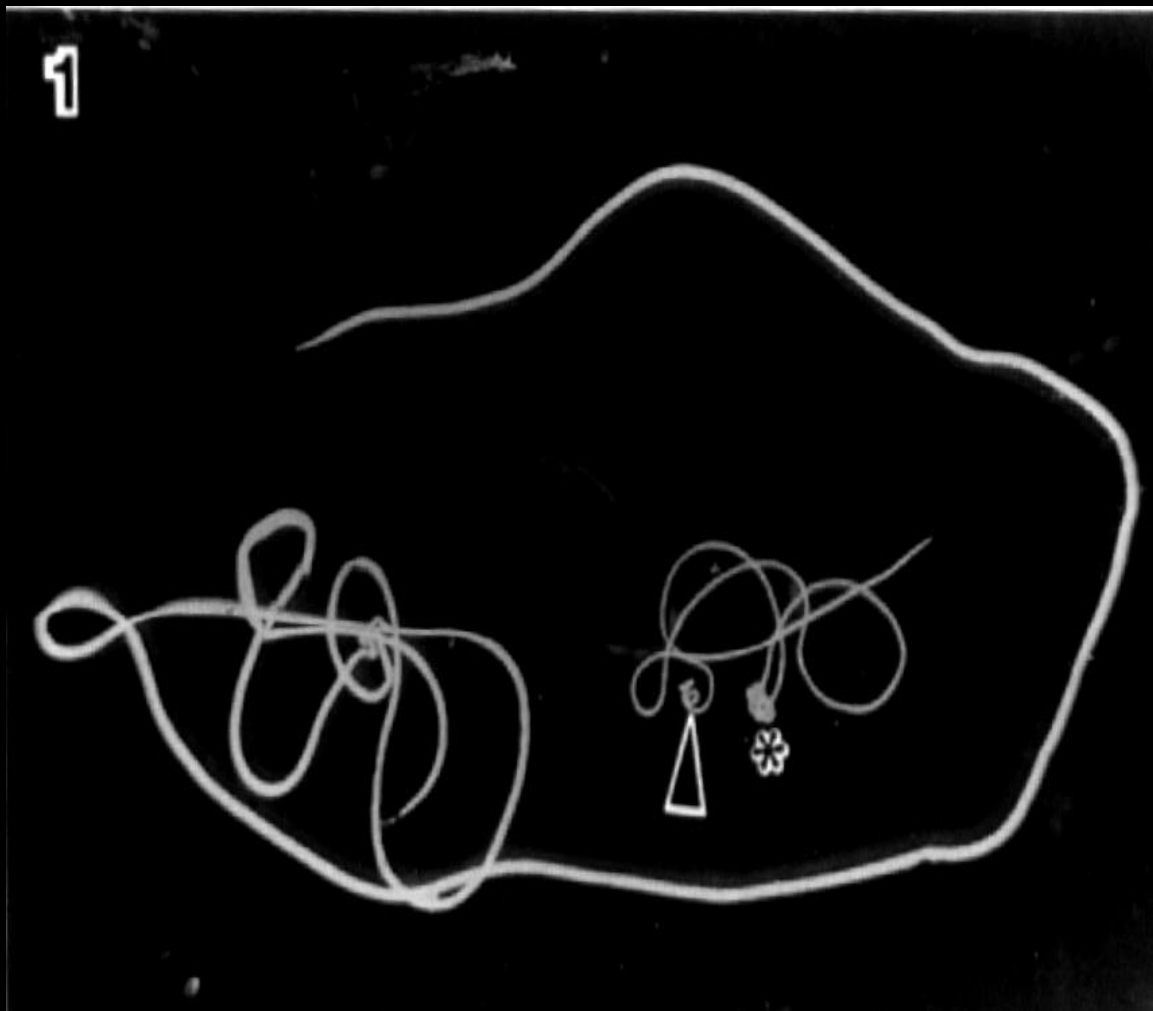




钩虫卵



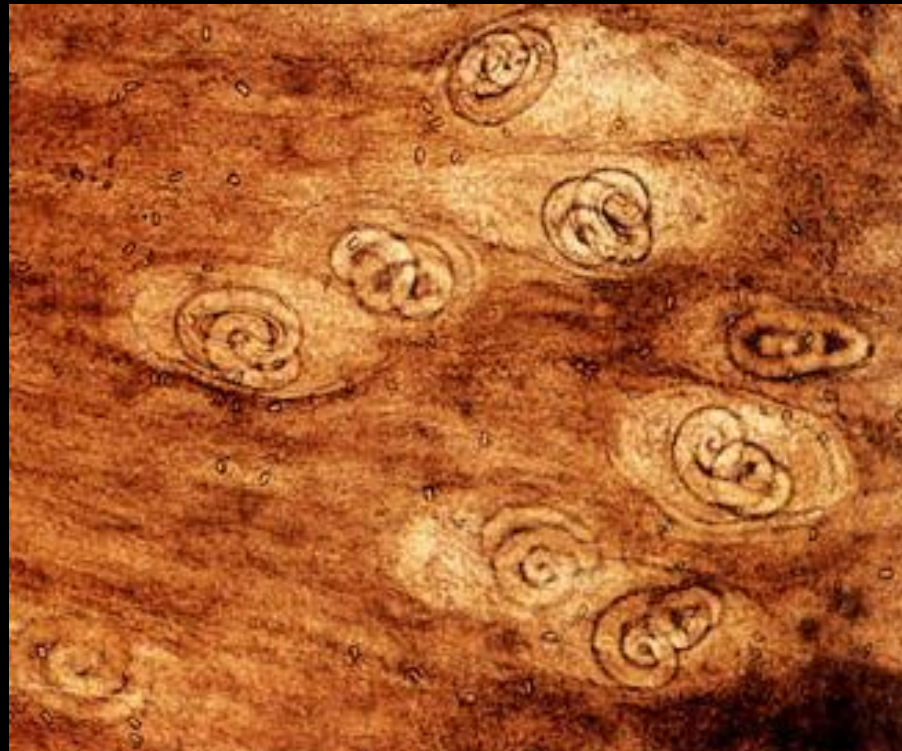
钩虫卵



丝虫



丝虫微丝蚴

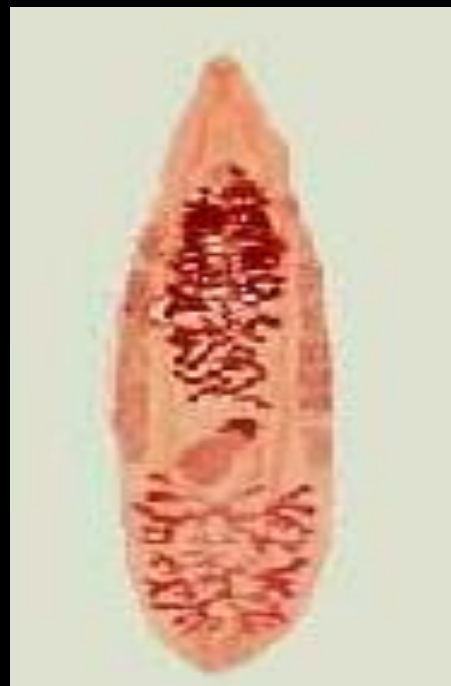


实验报告

1. 绘制蛔虫受精卵和未受精卵、鞭虫卵、蛲虫卵、钩虫卵、旋毛虫囊包幼虫。
2. 写出丝虫微丝蚴的鉴别要点。
3. 写出十二指肠钩虫和美洲钩虫的鉴别要点。

按顺序注明各层次结构并简要描述结构特征

实验二 吸虫试验

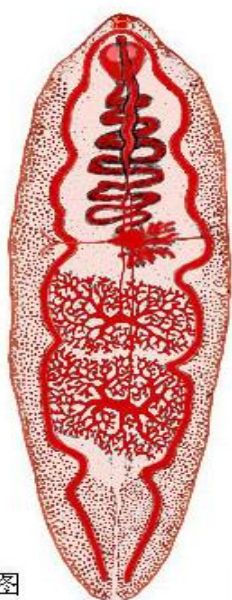


华支睾吸虫（肝吸虫）





背腹扁平，
叶片状，
肥厚，
呈肉红色。



模式图



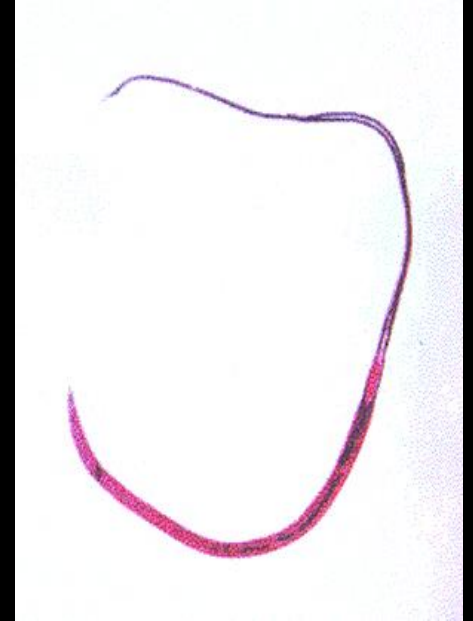
染色标本



布氏姜片吸虫（肠吸虫）



卫氏并殖吸虫（肺吸虫）

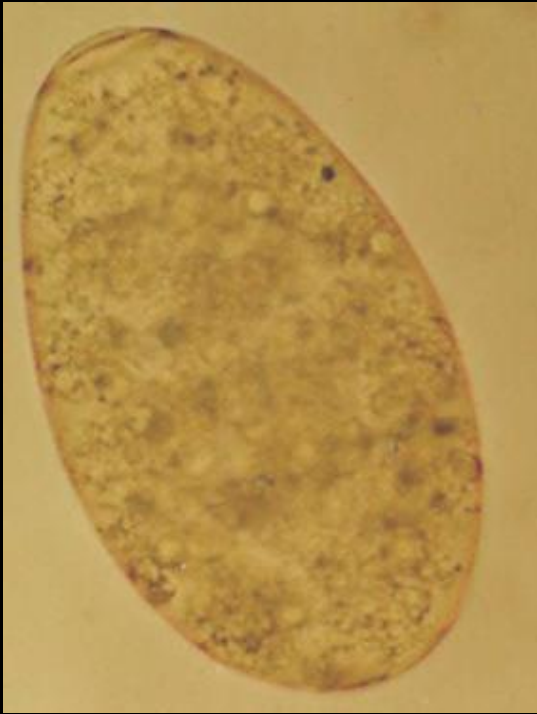


日本血吸虫





肝吸虫卵



肠吸虫卵



肺吸虫卵



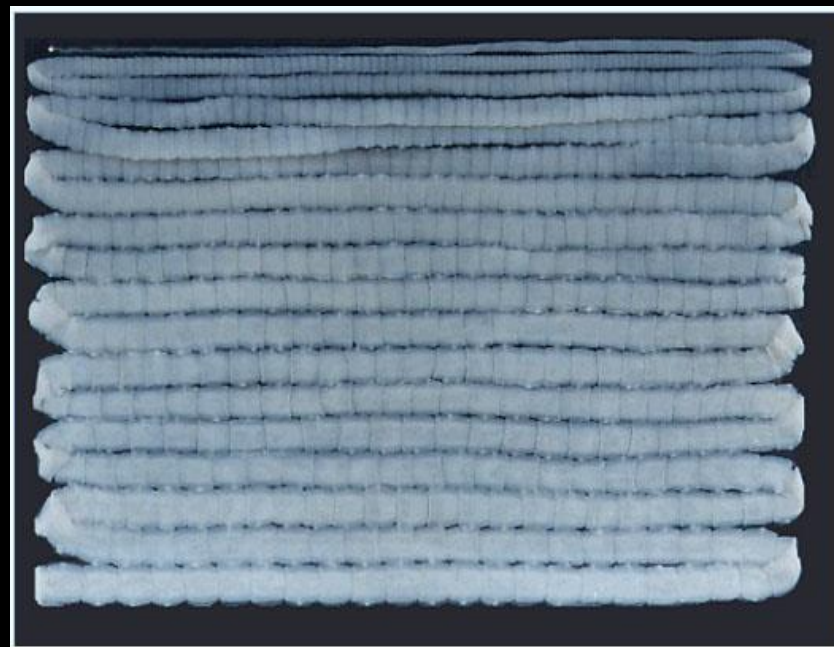
日本血吸虫卵

实验报告

绘制

肝吸虫卵、肠吸虫卵、肺吸虫卵、日本血吸虫卵

实验三 绦虫



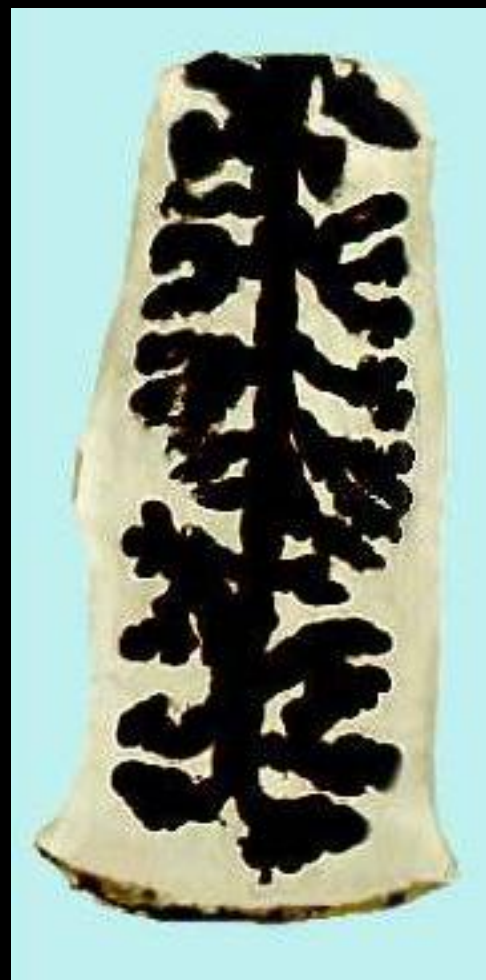
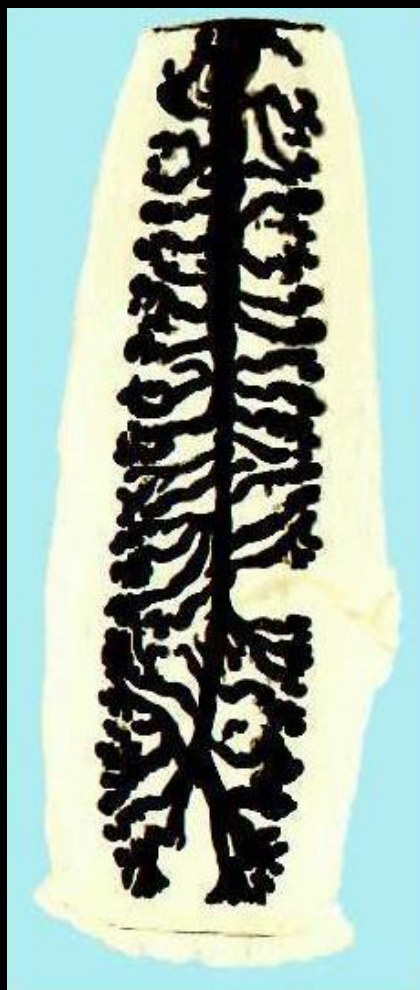
带绦虫成虫



带绦虫头节



带绦虫成节



带绦虫孕节



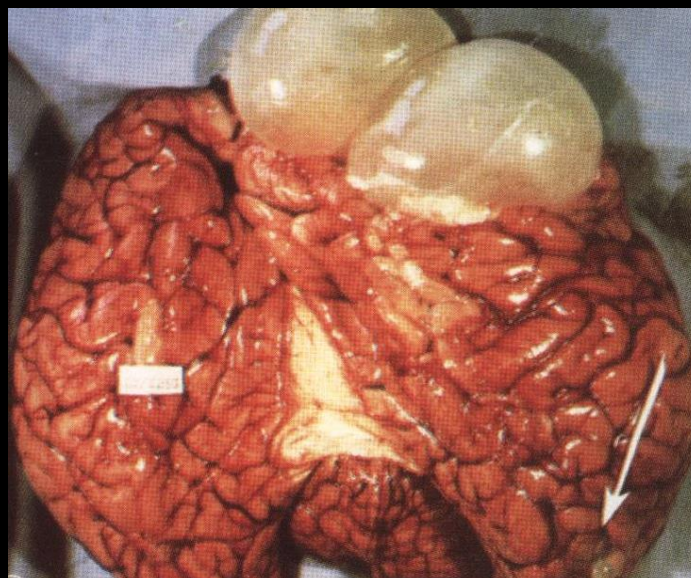
猪带绦虫幼虫——囊尾蚴



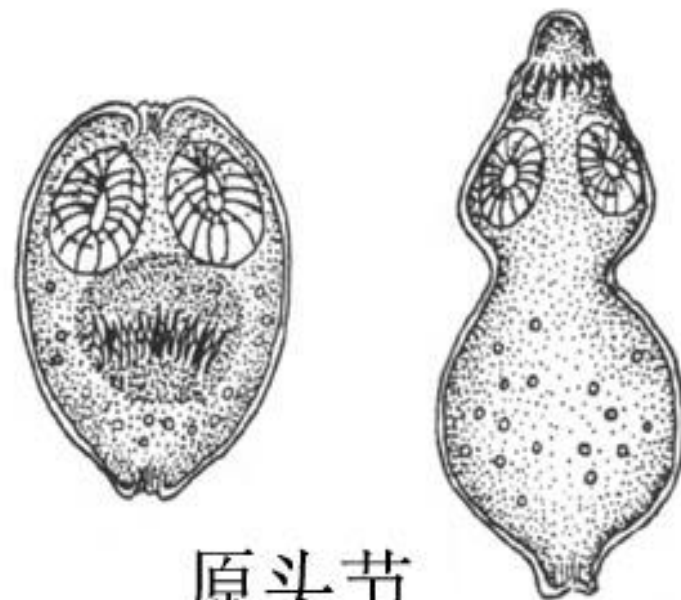
带绦虫卵

细粒棘球绦虫成虫





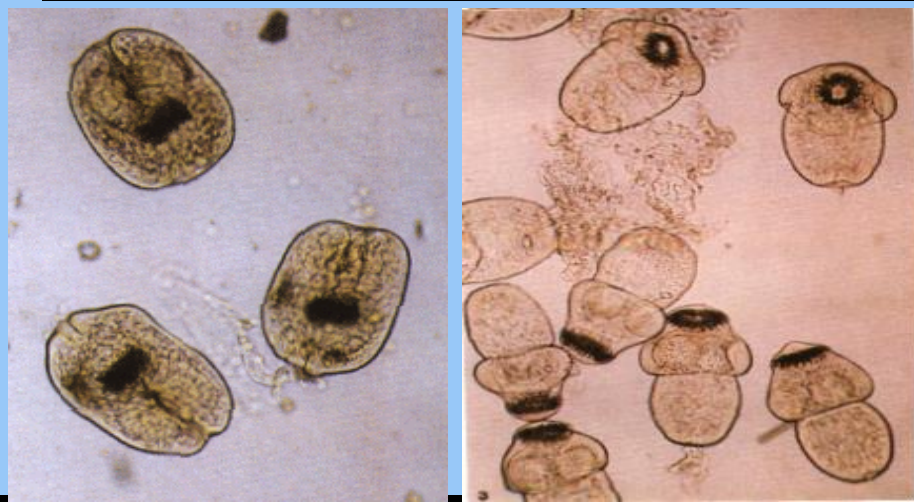
细粒棘球绦虫幼虫——棘球蚴



原头节

原头蚴 (protoscolex)

无色透明，椭圆形或圆形，为向内翻卷收缩的头节，可见内陷的顶突、吸盘以及小钩。图中向内翻卷的头节已翻出。



细粒棘球蚴砂——原头蚴

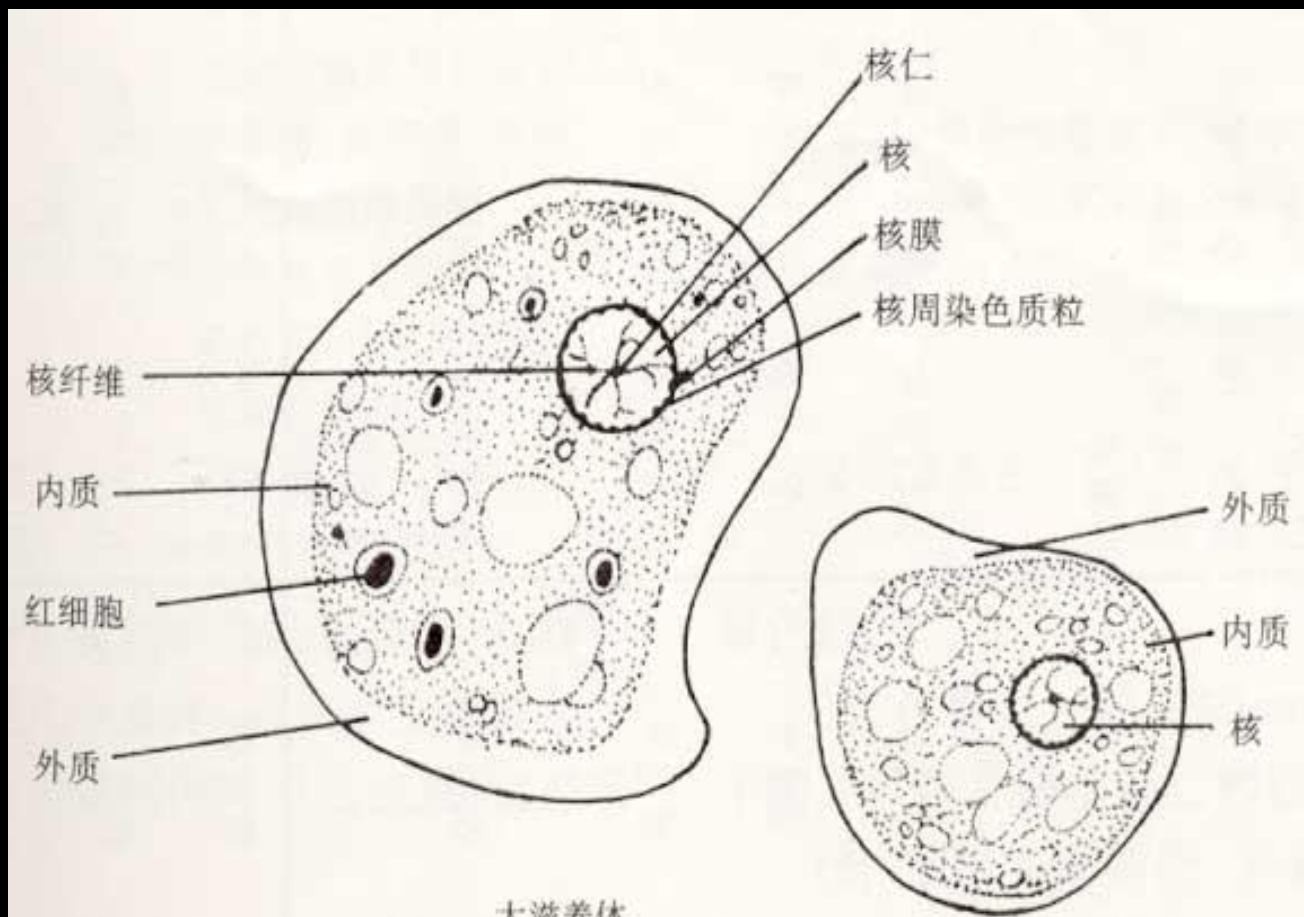


实验报告

1. 绘制带绦虫卵、带绦虫孕节片
2. 写出带绦虫成虫的鉴别要点。

按顺序注明各层次结构并描述结构特征

实验四 原 虫



溶组织内阿米巴滋养体



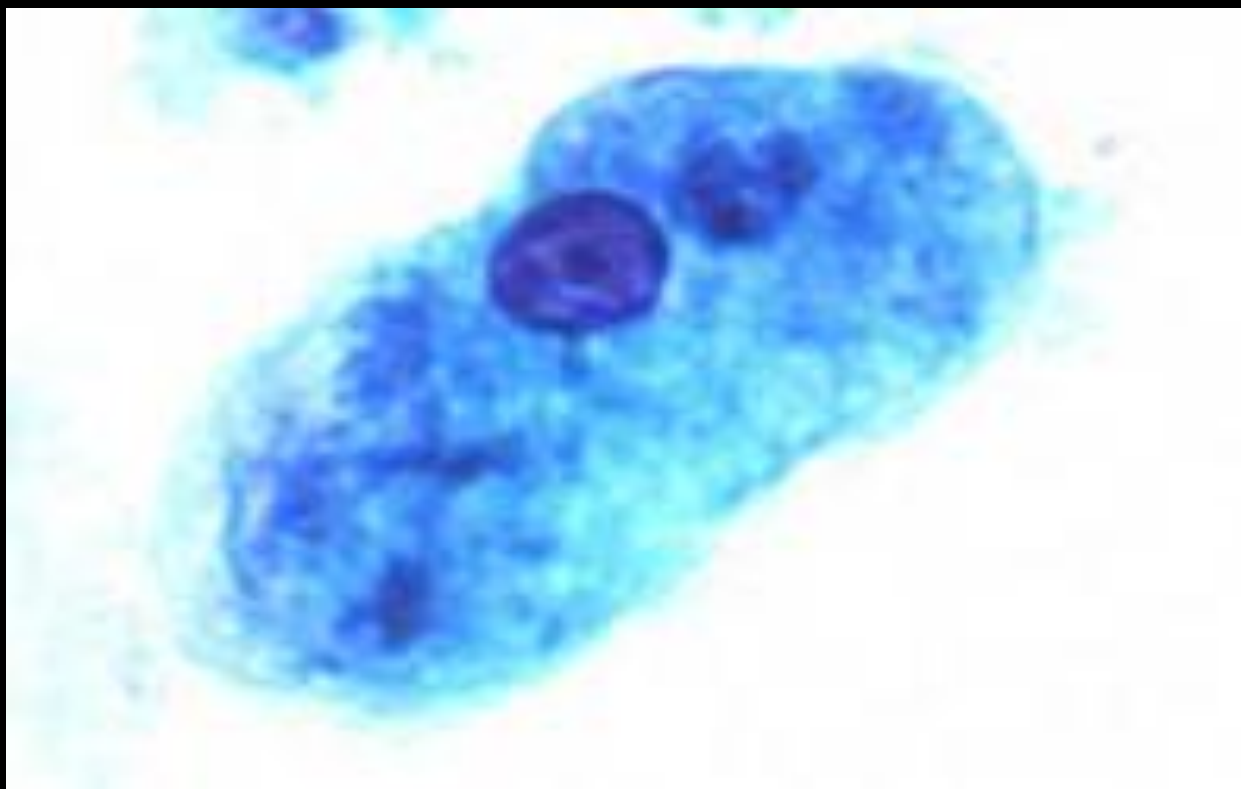
定向阿米巴运动



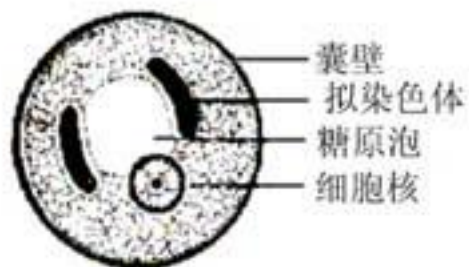
细胞核

红细胞

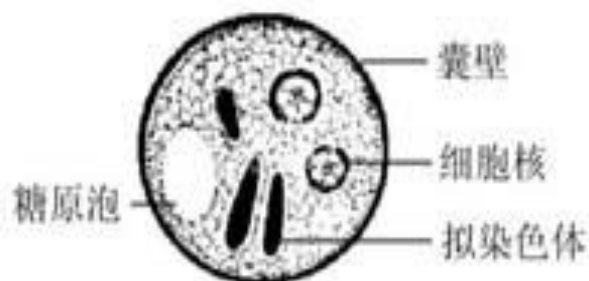
组织内滋养体



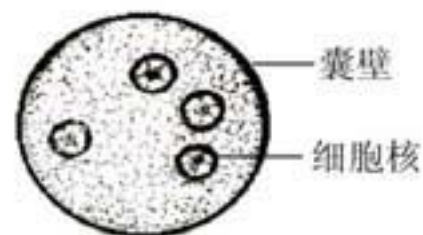
肠内阿米巴滋养体



溶组织内阿米巴包囊
Entamoeba histolytica cyst



溶组织内阿米巴包囊
Entamoeba histolytica cyst



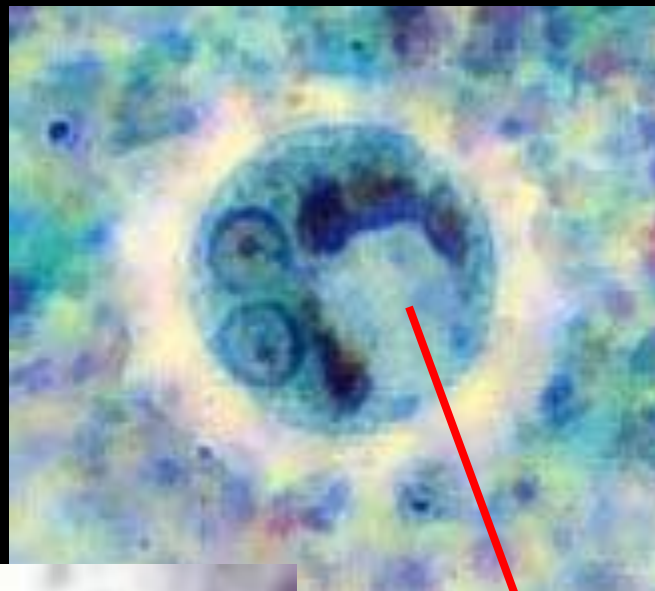
溶组织内阿米巴包囊（四核）
Entamoeba histolytica cyst

拟染色体

单核包囊

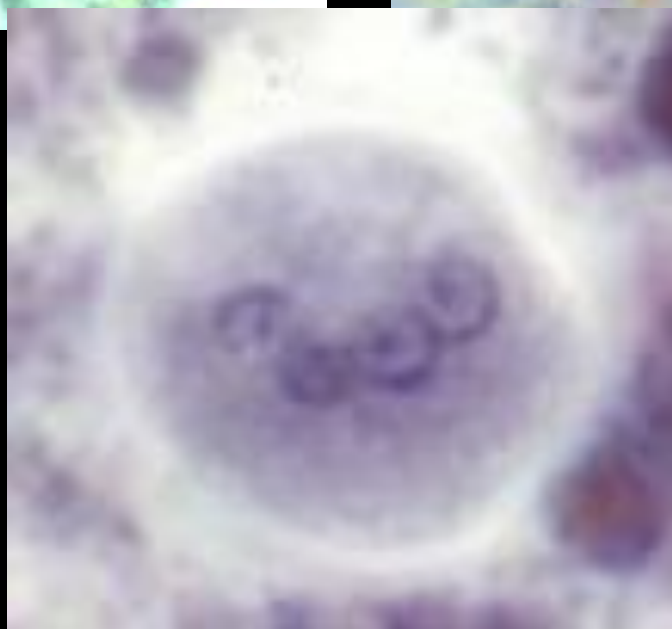


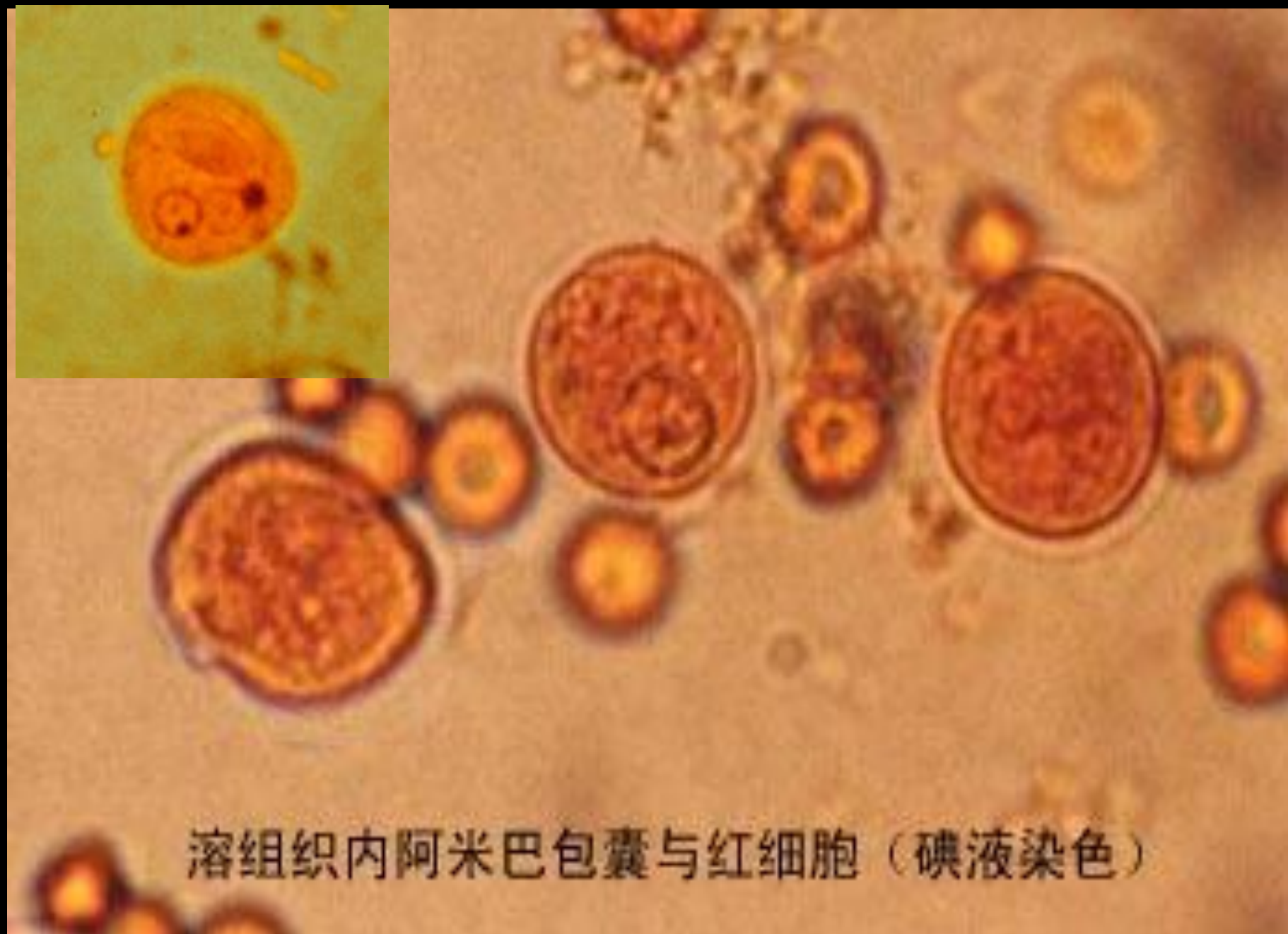
双核包囊



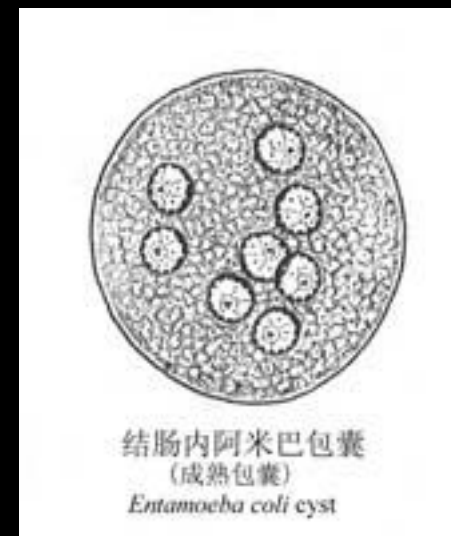
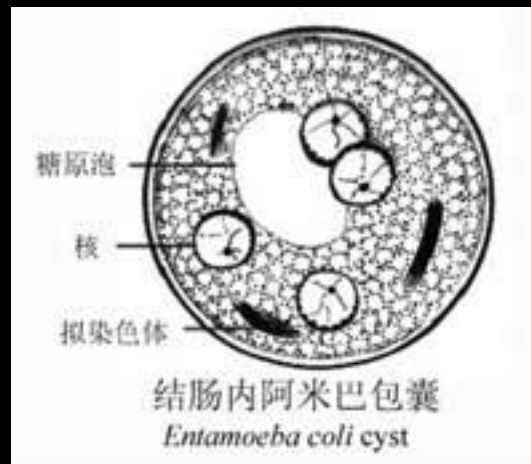
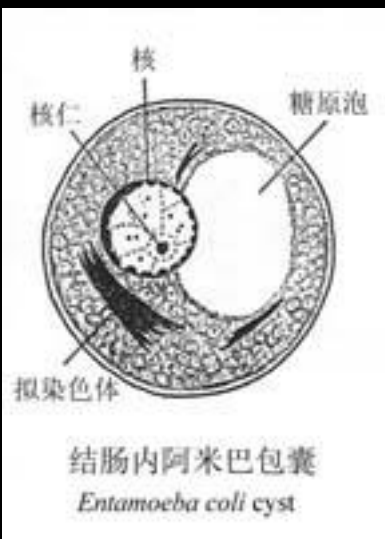
糖原泡

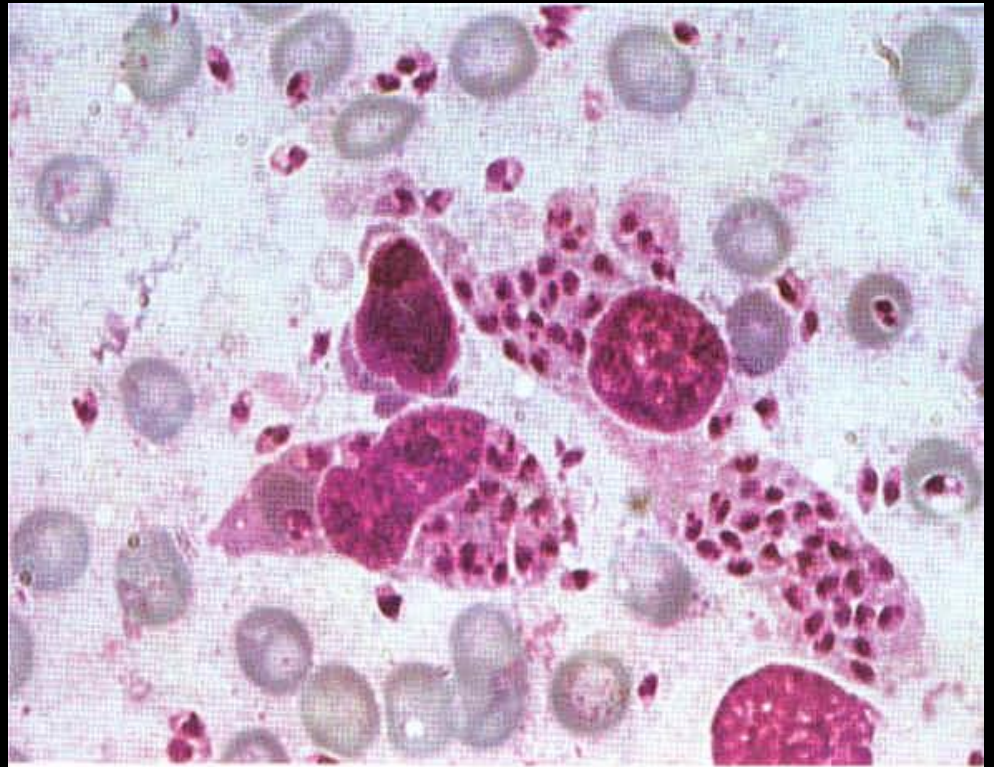
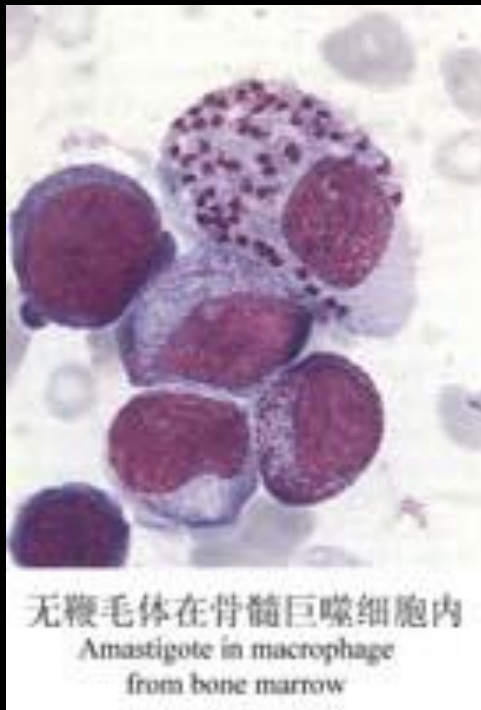
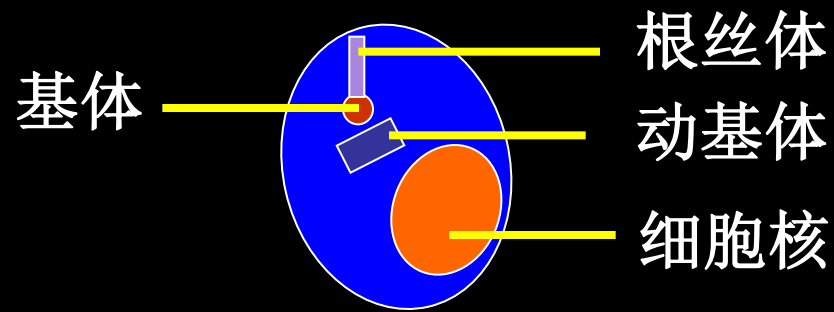
成熟包囊





溶组织内阿米巴包囊与红细胞（碘液染色）



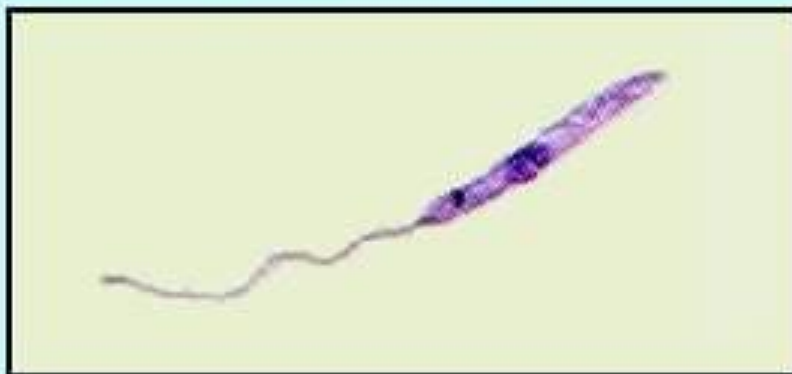
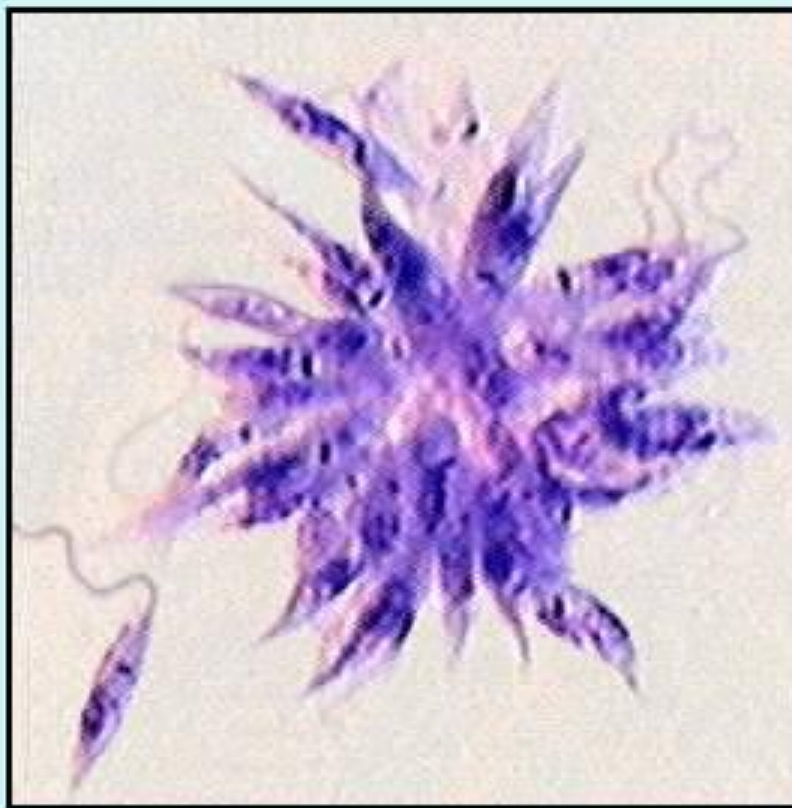


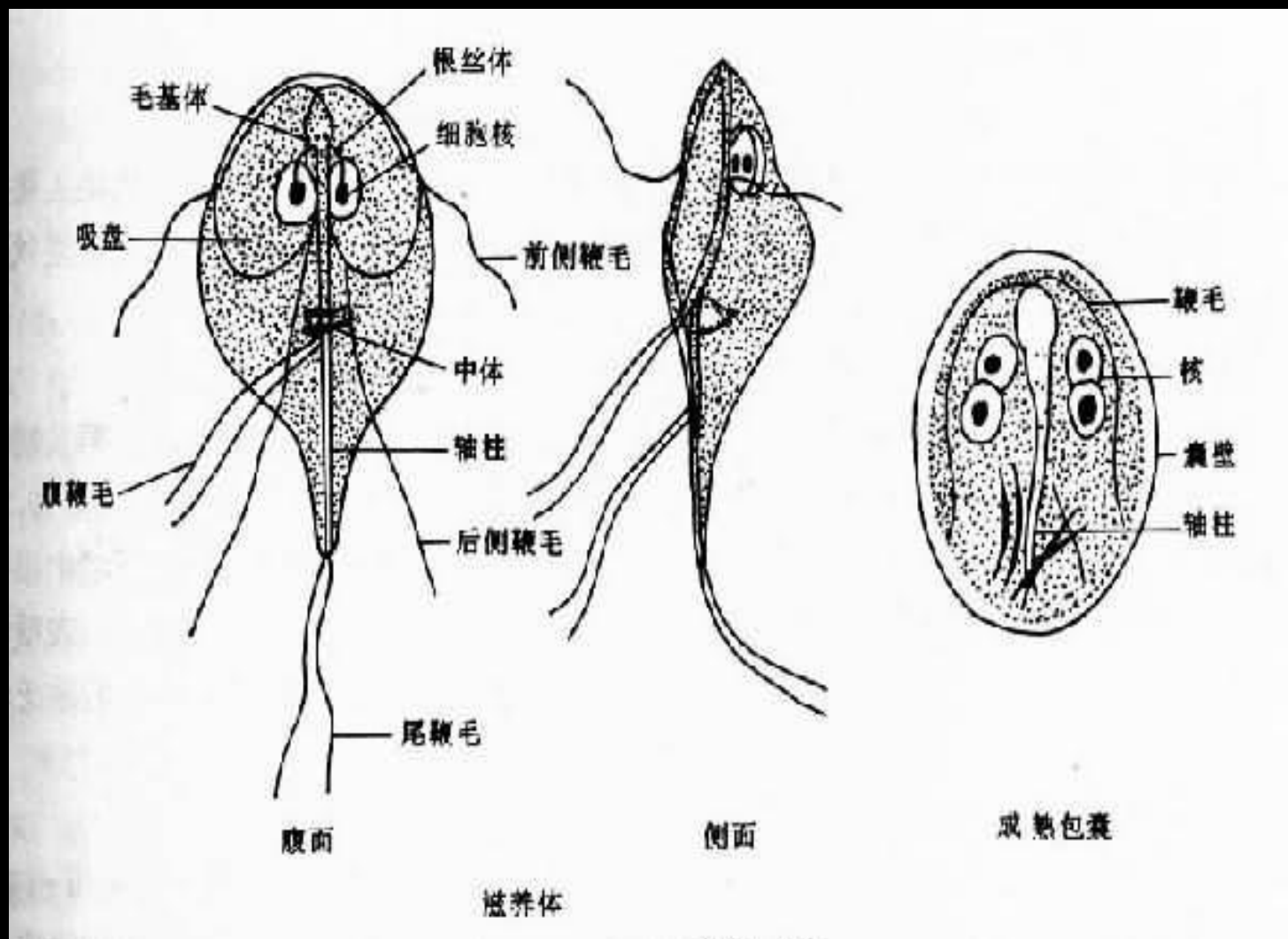
杜氏利什曼原虫无鞭毛体（利杜体

杜氏利什曼原虫

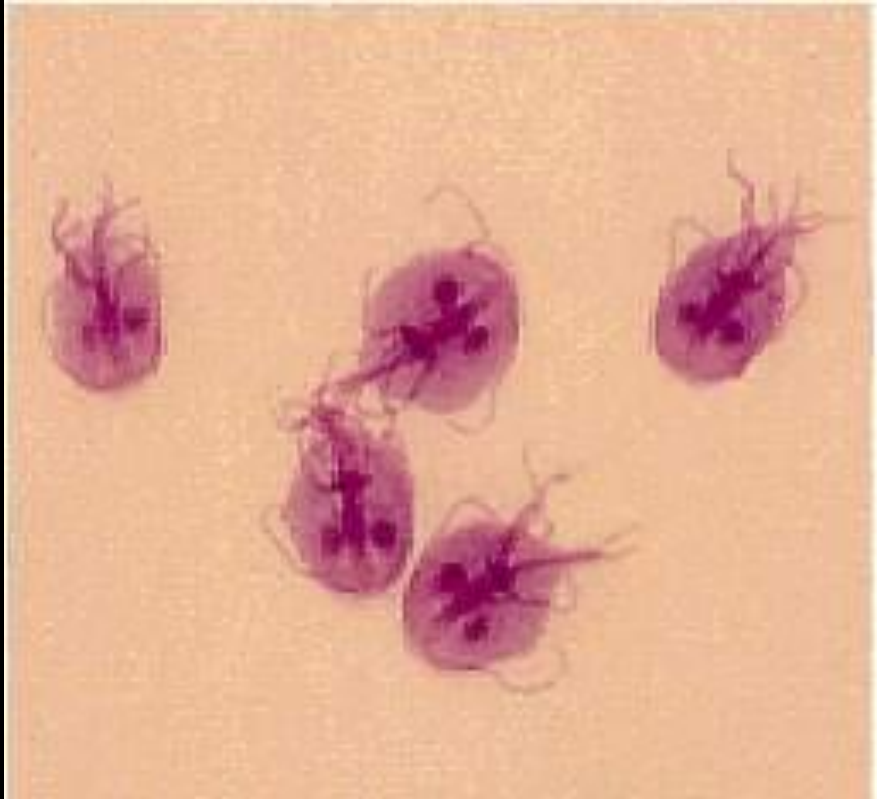


前鞭毛体





蓝氏贾第鞭毛虫



姬氏染色滋养体



碘液染色滋养体

蓝氏贾第鞭毛虫包囊



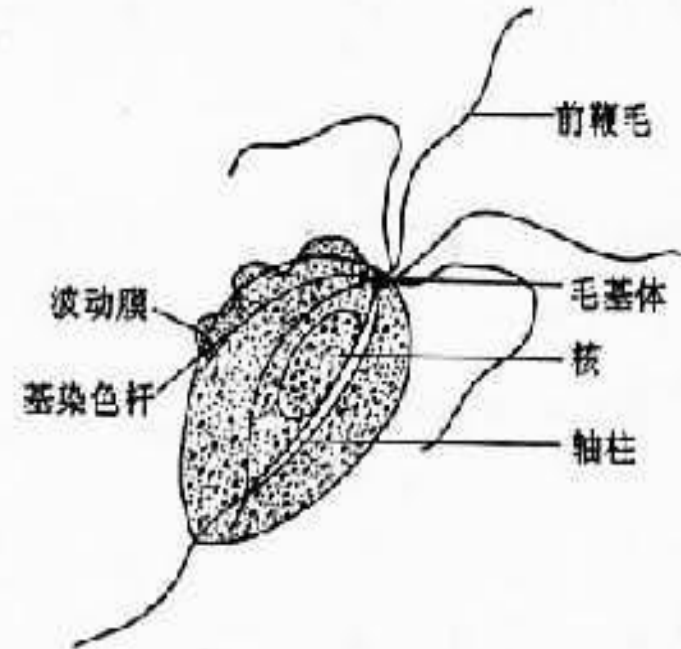
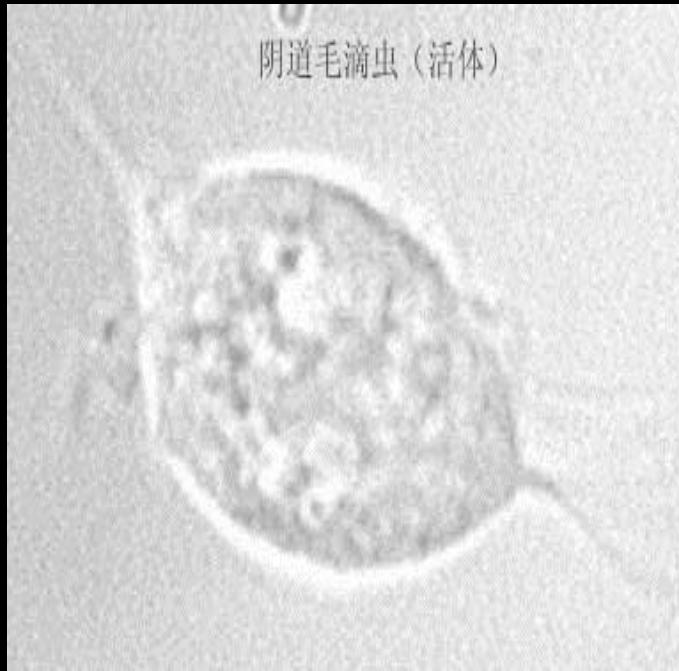
碘液染色



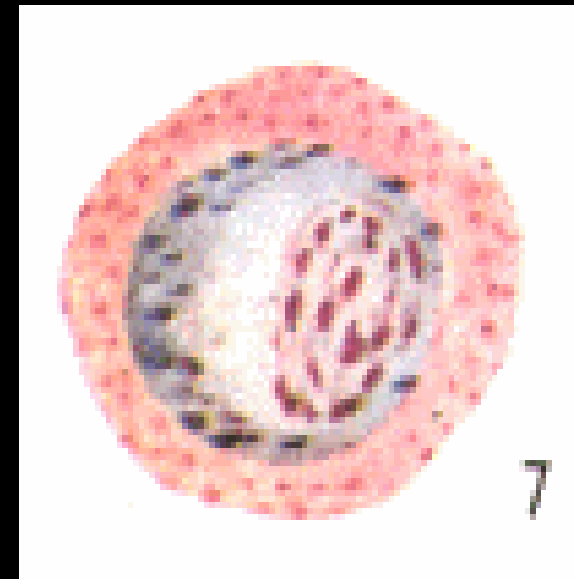
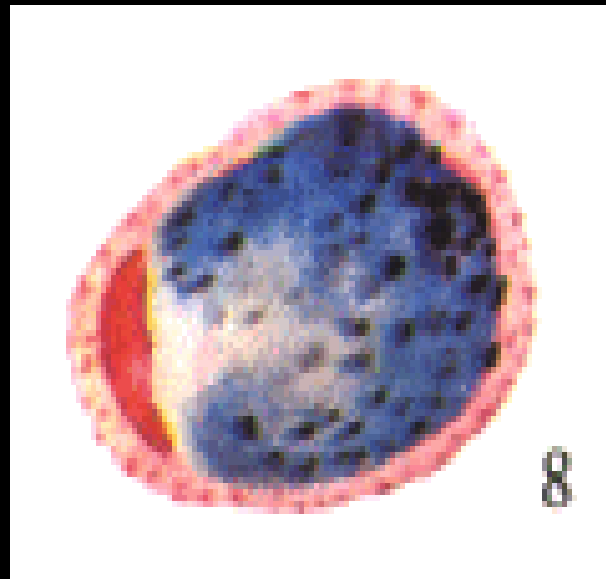
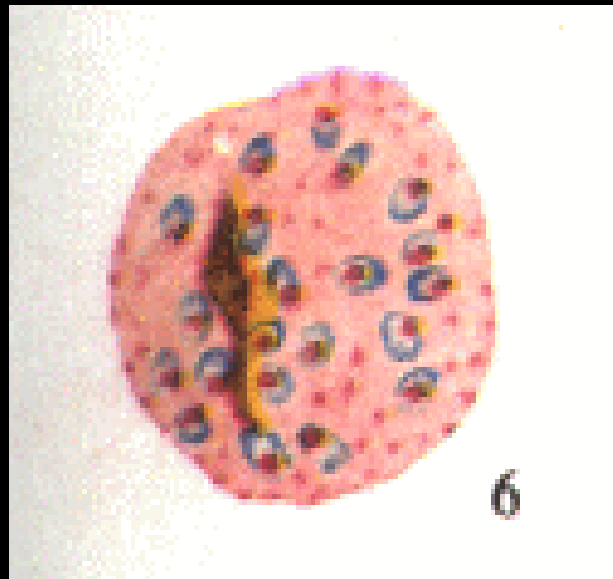
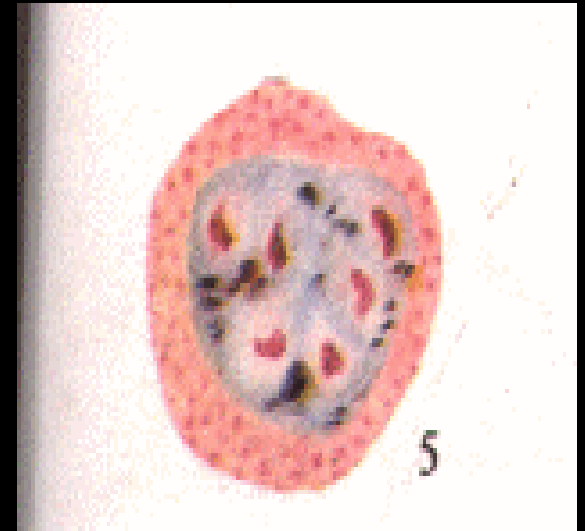
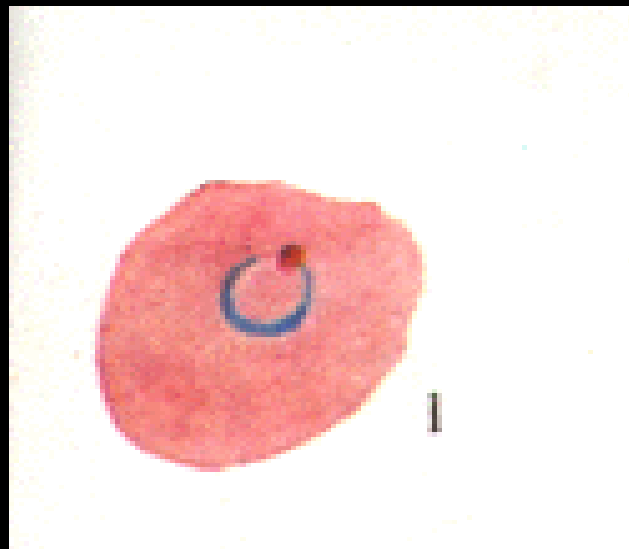
包囊 [cyst]

铁苏木素染色 [iron hematoxylin stain]

阴道毛滴虫（活体）



阴道毛滴虫

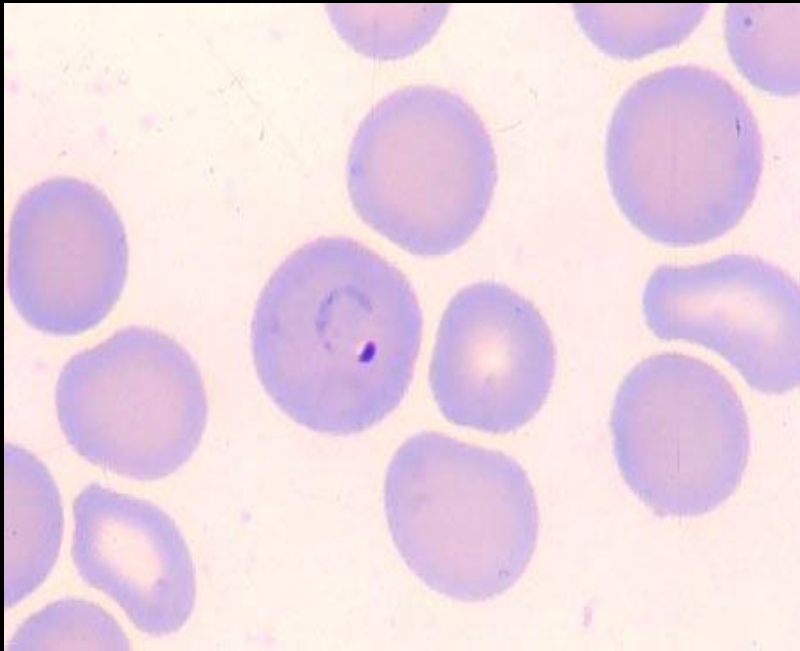


疟原虫

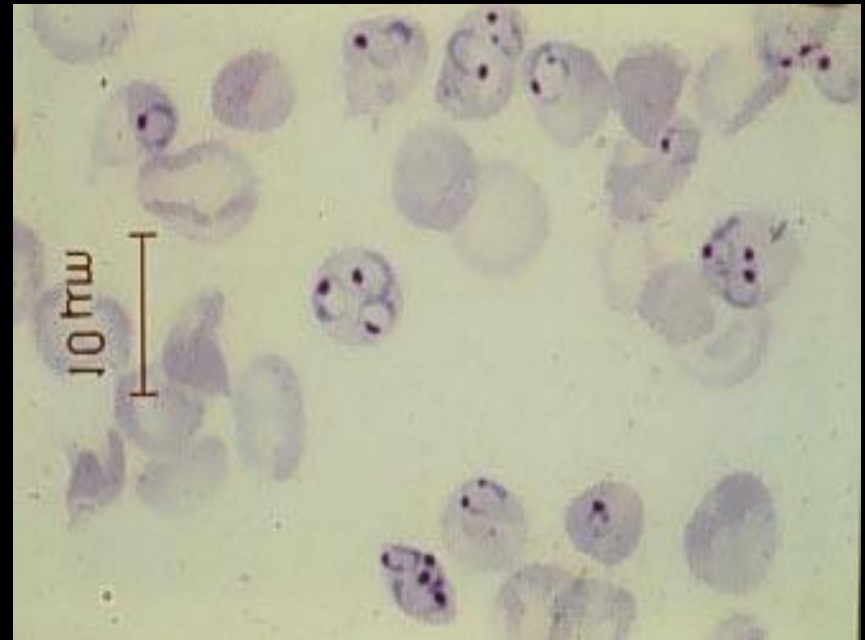
疟原虫在RBC内发育的各期形态

1. 环状体

Pv

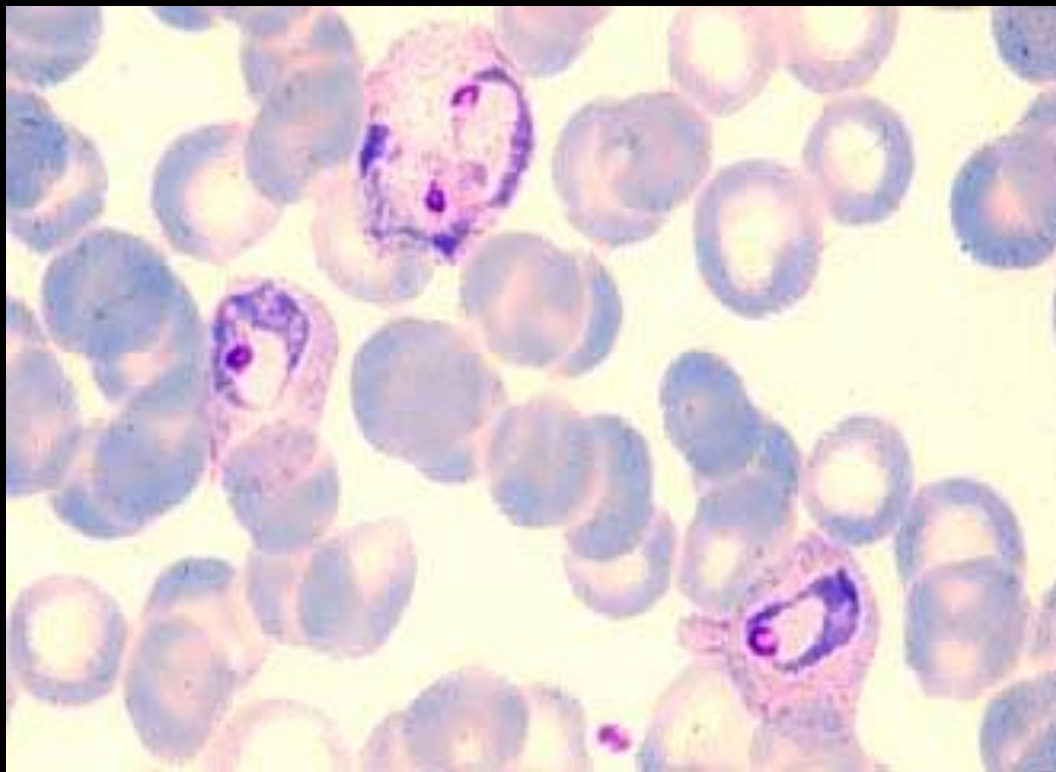


Pf



2. 滋养体

Pv

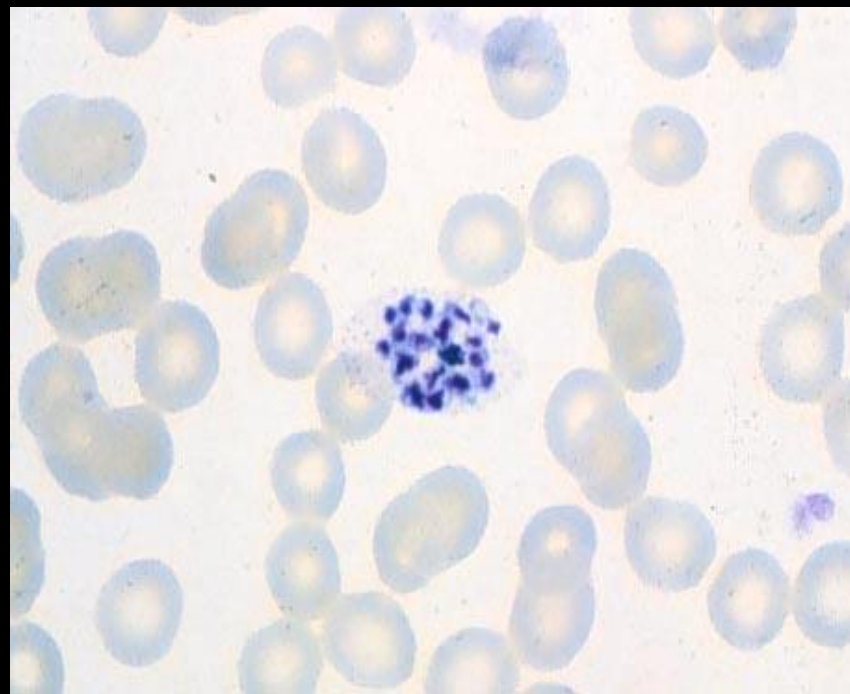


3. 裂殖体

Pv

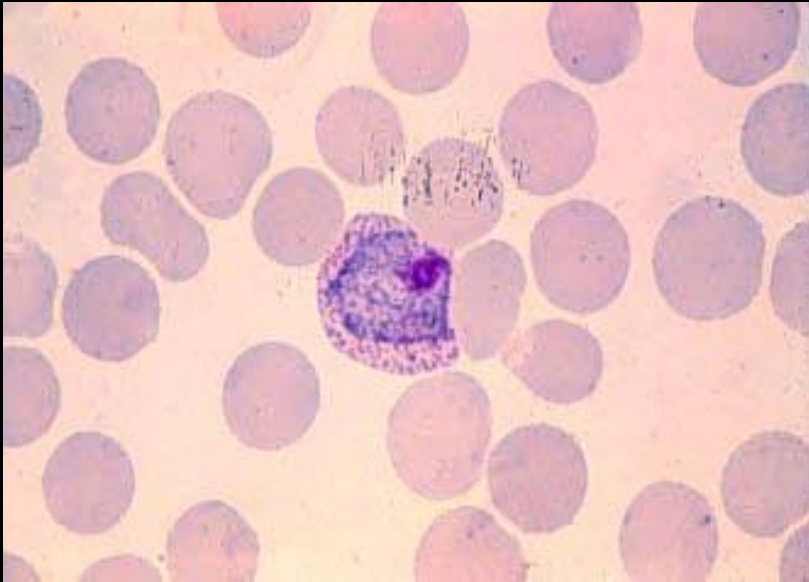
早期

成熟

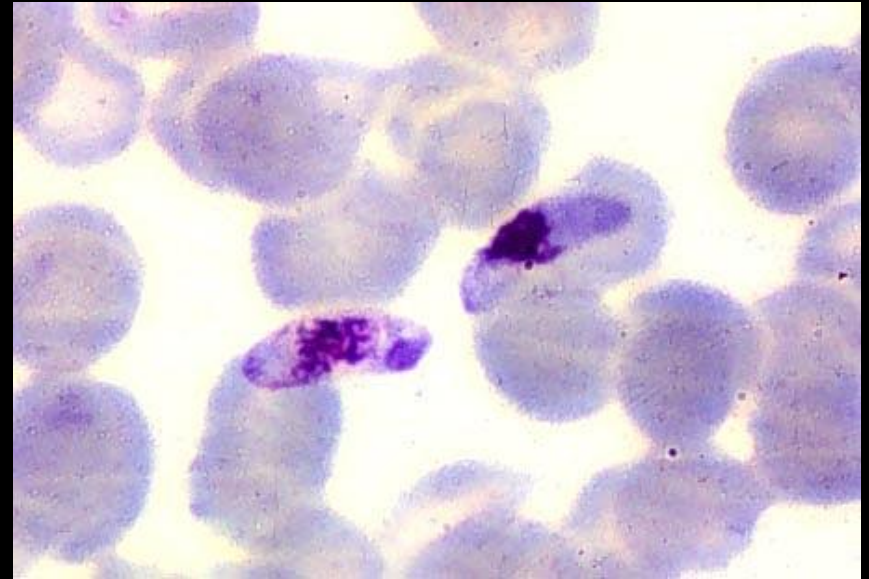


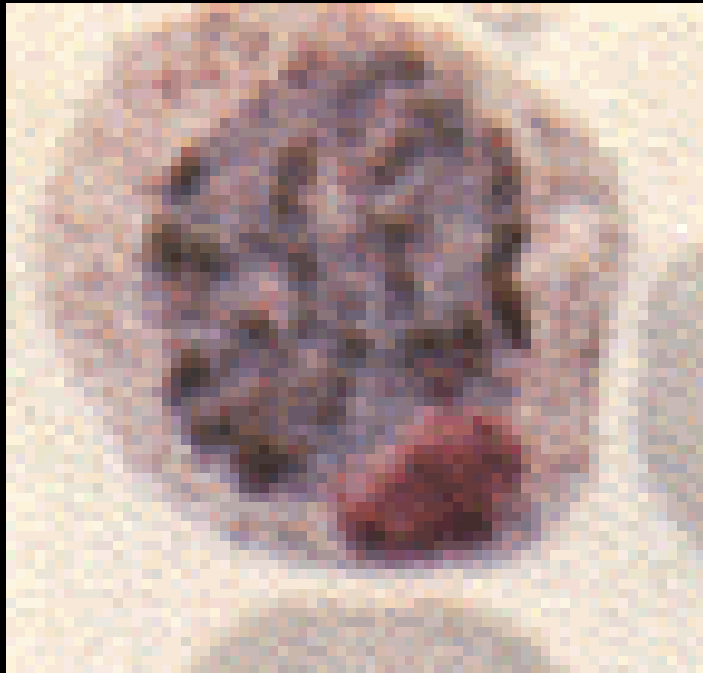
4. 配子体

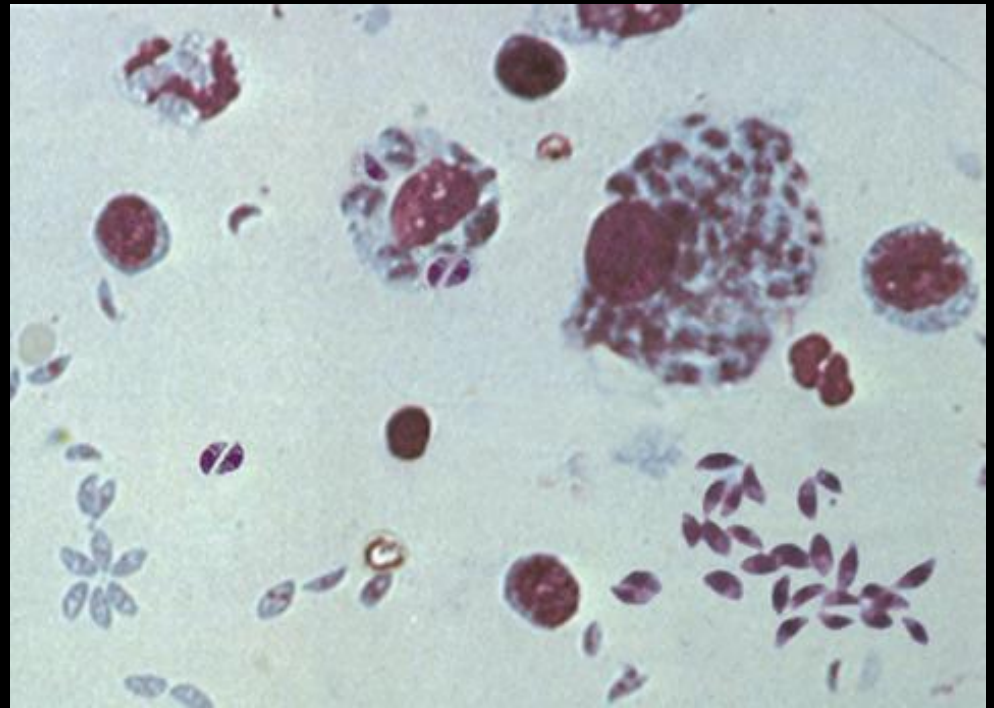
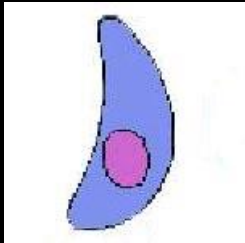
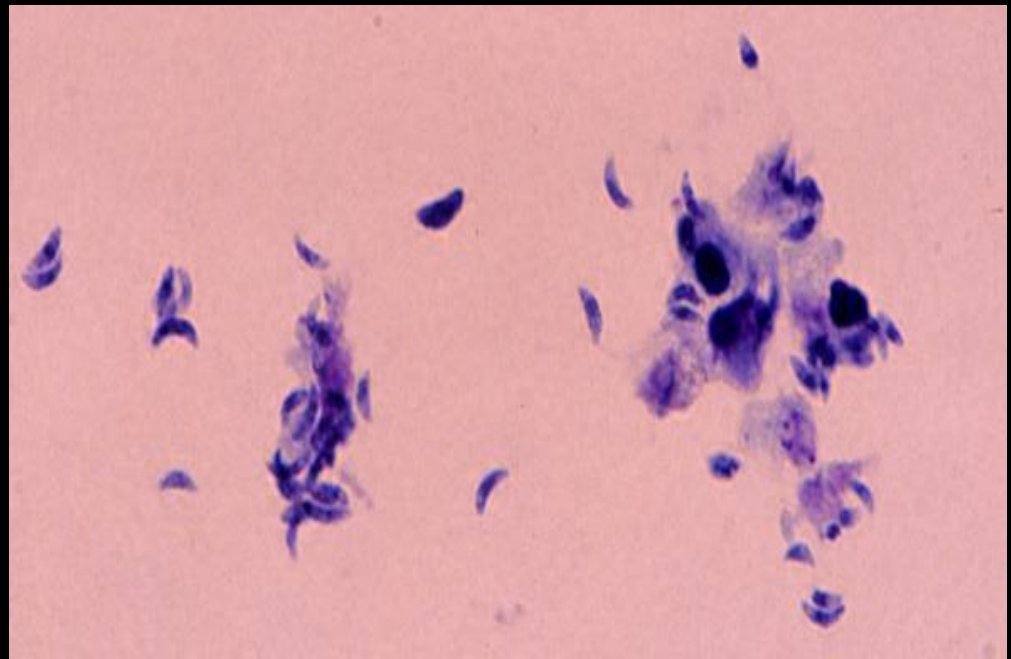
P_v



Pf







弓形虫：滋养体

实验报告

1. 绘制溶组织内阿米巴大滋养体、包囊，杜氏利什曼原虫无鞭毛体、前鞭毛体，贾第虫滋养体、包囊，阴道毛滴虫滋养体，P.V红内各期，弓形虫滋养体。
2. 写出弓形虫生活史。

按顺序注明各层次结构并简要描述结构特征