

# PREPARED MICROSCOPE SLIDES

Helpful for orientation are the slides in blue print which are slides of important specimens which are characteristic and representative of the taxonomic group, or of the subject.

Various slides are available only in small number or have a long delivery period, as their material is either rare or causes unusual difficulties in processing. This applies particularly to the slides marked with an asterisk \* for which we cannot guarantee delivery.

## PARASITOLOGY & BACTERIOLOGY

### PARASITOLOGY

#### Rhizopoda (Sarcodina)

- Pr112e ..... [Amoeba proteus, showing nucleus, endoplasm, ectoplasm, food vacuoles, pseudopodia w.m.](#)
- Pr113f ..... Amoeba proteus, section through specimens
- Pr114f ..... [Entamoeba histolytica, causes amebic dysentery, smear from feces](#)
- Pr1141h ..... Entamoeba histolytica, causes amebic dysentery, smear with trophozoites (asexual forms) \*
- Pr1142h ..... Entamoeba histolytica, smear showing cysts \*
- Pr115g ..... Entamoeba histolytica, section through diseased colon showing the parasites in situ
- Pr116g ..... [Entamoeba coli, nonpathogenic, smear from feces](#)
- Pr1161h ..... Entamoeba coli, nonpathogenic, smear with trophozoites \*
- Pr1162h ..... Entamoeba coli, smear showing cysts \*
- Pr1165h ..... Entamoeba hartmanni trophozoites. Smear, intestinal amoeba; nonpathogenic to humans
- Pr1166h ..... Entamoeba hartmanni cysts. Smear
- Pr1168h ..... Dientamoeba fragilis trophozoites. Smear
- Pr117f ..... Entamoeba invadens, large specimens from culture, good for demonstration
- Pr1173g ..... Entamoeba gingivalis, smear with trophozoites
- Pr1174h ..... Endolimax nana, small human parasite, smear with trophozoites \*
- Pr1175h ..... Endolimax nana, smear with cysts \*
- Pr1177h ..... Jodamoeba butschlii, a commensal living in the human intestine, smear with trophozoites \*
- Pr1178h ..... Jodamoeba butschlii, smear with uninucleate cysts \*
- Pr1181v ..... Pneumocystis carinii. Smear from lung tissue stained to show cyst wall of parasites \*
- Pr1182v ..... Pneumocystis carinii. Smear from lung tissue stained to show trophozoites and sporozoites \*
- Pr119d ..... [Arcella, shelled amoeba w.m.](#)
- Pr1195s ..... Actinosphaerium, a fresh water actinopode w.m. \*
- Pr121d ..... [Radiolaria, mixed species showing different forms](#)
- Pr122d ..... [Foraminifera, mixed species showing different forms](#)
- Pr1251d ..... Foraminifera from Mediterranean sea, mixed recent
- Pr1252d ..... Foraminifera, mixed fossil, chalk
- Pr124d ..... Foraminifera, mixed forms from the Adriatic Sea
- Pr123d ..... Globigerina, marine forms, mixed species

#### Flagellata (Mastigophora)

- Pr211c ..... [Euglena viridis, a common green flagellate with eyespot and flagellum, w.m.](#)
- Pr2112c ..... Euglena gracilis, a smaller species, w.m.
- Pr2113f ..... Euglena, a large species specially fixed and stained to show the flagella, w.m.
- Pr2114d ..... Phacus, flat heart-shaped cells w.m.
- Pr2115e ..... Trachelomonas, a free swimming species of the Euglenophyta
- Pr212c ..... [Ceratium hirundinella, a fresh water dinoflagellate w.m.](#)
- Pr2121c ..... Ceratium, slide showing different marine forms w.m.
- Pr2123d ..... Peridinium, a fresh water dinoflagellate w.m.
- Pr213d ..... [Noctiluca miliaris, a large marine flagellate causing the phosphorescence of the sea, w.m.](#)
- Pr225h ..... Chilomastix mesnili, flagellate found in human intestine, nonpathogenic, smear with trophozoites \*
- Pr2252h ..... Chilomastix mesnili, smear with cysts
- Pr221h ..... Giardia lamblia intestinalis, human parasite, smear with trophozoites\*
- Pr2212h ..... Giardia lamblia intestinalis, smear with cysts \*
- Pr223f ..... [Trichomonas sp., smear with trophozoites](#)

Pr2232h ..... *Trichomonas vaginalis*, smear \*

Pr221h ..... *Giardia lamblia intestinalis*, human parasite, smear with trophozoites\*

Pr2212h ..... *Giardia lamblia intestinalis*, smear with cysts \*

Pr223f ..... *Trichomonas sp.*, smear with trophozoites

Pr2232h ..... *Trichomonas vaginalis*, smear \*

Pr2233h ..... *Trichomonas muris*, trophozoites

Pr230f ..... *Trypanosoma gambiense*, a blood flagellate, causing Central African sleeping disease, blood smear

Pr231f ..... *Trypanosoma rhodesiense*, causes South African sleeping disease, blood smear with parasites

Pr232f ..... *Trypanosoma evansi*, causes surra in cattle, blood smear

Pr233f ..... *Trypanosoma brucei*, causes nagana, blood smear

Pr234f ..... *Trypanosoma congolense*, pathogenic to domestic animals, blood smear

Pr235f ..... *Trypanosoma equiperdum*, dourine in horses, blood smear

Pr236f ..... *Trypanosoma cruzi* (*Schizotrypanum*), causes Chagas disease of man, blood smear showing trypanosomes

Pr237g ..... *Trypanosoma cruzi*, section through infected heart muscle shows *Leishmania* forms in tissue \*

Pr2372h ..... *Trypanosoma cruzi*. Smear from culture showing cultured forms \*

Pr2373g ..... *Trypanosoma cruzi*. *Leishmania* forms in sec. of mouse brain \*

Pr2374g ..... *Trypanosoma cruzi*. *Leishmania* forms in sec. of mouse liver \*

Pr2375g ..... *Trypanosoma cruzi*. *Leishmania* forms in sec. of mouse heart muscle fibres \*

Pr2376g ..... *Trypanosoma cruzi*. *Leishmania* forms in sec. of mouse spleen

Pr241f ..... *Trypanosoma lewisi*, a large species living in rats and mice, blood smear with parasite, heavy infection

Pr2413g ..... *Trypanosoma lewisi*, blood smear, early stages of infection with division stages

Pr2414g ..... *Trypanosoma lewisi*, blood smear, later stages of infection, large forms \*

Pr238f ..... *Leishmania donovani*, causes Kala-Azar, smear from the infected spleen showing the typical Leishman-Donovan bodies

Pr239g ..... *Leishmania donovani*, section through infected spleen or liver showing the parasites within the cells

Pr2392t ..... *Leishmania donovani*, smear from culture showing Leishman and leptomonad forms \*

Pr2395h ..... *Leishmania donovani*, promastigotes, smear from culture \*

Pr2396h ..... *Leishmania donovani*, amastigotes, smear from tissue \*

Pr2397h ..... *Leishmania mexicana*, promastigotes, smear from culture \*

Pr240f ..... *Leishmania enrietti*, section through nasal abscess from Guinea pig. Very heavy infection

Pr2405g ..... *Crithidia fasciculata*, smear from intestine of *Anopheles* mosquito with typical crithidia forms \*

Pr2378g ..... Termite Flagellates. W.m., showing large forms \*

Pr251d ..... Silicoflagellates, various species

## **Sporozoa**

Pr311f ..... *Plasmodium falciparum*, malignant tertian malaria of man, blood smear with typical ring stages

Pr3112g ..... *Plasmodium falciparum*, blood smear with more gametocytes \*

Pr312f ..... *Plasmodium falciparum*, thick diagnostic smear \*

Pr313h ..... *Plasmodium vivax*, benign tertian malaria of man, blood smear \*

Pr3132h ..... *Plasmodium vivax*, thick diagnostic blood smear \*

Pr3145h ..... *Plasmodium malariae*, causing quartan malaria, blood smear \*

Pr315f ..... *Plasmodium berghei*, blood smear from experimentally infected mouse. Very heavy infection shows abundant parasites in different stages of development

Pr320h ..... *Plasmodium sp.*, section through infected mosquito stomach with oocysts containing sporozoites \*

Pr321i ..... *Plasmodium sp.*, section through the salivary gland of infected mosquito with sporozoites \*

Pr322h ..... *Plasmodium sp.*, exoerythrocytic stages in sec. of brain \*

Pr323h ..... *Plasmodium sp.*, exoerythrocytic stages in sec. of liver \*

Pr3235g ..... Malaria melanemia in human spleen, sec. showing pigment granules in endothelium and Kupffer's cells

Pr326f ..... *Plasmodium praecox*, avian malaria, blood smear

Pr327f ..... *Plasmodium gallinaceum* (*Proteosoma*), fowl malaria, blood smear from chicken \*

Pr328f ..... *Plasmodium cathemerium*, avian malaria, blood smear \*

Pr3285s ..... *Plasmodium circumflexum*, smear from lung or brain of bird showing exoerythrocytic schizogony \*

Pr3287s ..... Leukocytozoon, smear from fowl blood with parasites \*

Pr329s ..... *Haemoproteus columbae*, pigeon malaria, blood smear \*

Pr3293t ..... *Haemogregarina*, smear from frog blood with parasites \*

Pr337f ..... *Babesia canis*, blood smear shows heavy infection

Pr338f ..... *Toxoplasma gondii*, causing toxoplasmosis, tissue smear with parasites

Pr3381f ..... *Toxoplasma gondii*, section of the brain showing cysts with parasites\*

Pr330e ..... *Nosema apis*, honey bee dysentery, sec. of diseased intestine

Pr331d ..... *Monocystis lumbrici*, in smear from earthworm seminal vesicle

Pr332d ..... *Monocystis lumbrici*, section with parasites in situ

Pr333f ..... *Gregarina*, in smear from mealworm (*Tenebrio*) intestine

Pr334d ..... *Gregarina*, in section from mealworm intestine, parasites in situ

- Pr335d ..... *Eimeria stiedae*, causing coccidiosis in rabbit, section of liver shows schizogony and all developing stages
- Pr3352d ..... *Eimeria stiedae*, coccidiosis, smear from faeces
- Pr336d ..... *Eimeria tenella*, section of diseased chicken intestine \*
- Pr339f ..... *Sarcocystis tenella*, section of muscle showing the parasites in Miescher's tubes
- Pr3392f ..... *Sarcocystis tenella* in heart muscle, sec.
- Pr3365s ..... *Myxosoma*, parasite on fish gill, sec. \*

### **Ciliata (Infusoria)**

- Pr411d ..... *Paramecium*, macro- and micronuclei stained. The typical slide for general study of this common ciliate
- Pr412e ..... *Paramecium*, food vacuoles and nuclei doubly stained
- Pr413e ..... *Paramecium*, pellicle stained after Bresslau
- Pr414e ..... *Paramecium*, silver stained to show the silver line or neuroformative system
- Pr415e ..... *Paramecium*, specially prepared and stained to show the trichocysts
- Pr416f ..... *Paramecium*, in conjugation, nuclei stained \*
- Pr417g ..... *Paramecium*, in fission, nuclei stained \*
- Pr418e ..... *Paramecium*, section through many individuals, triply stained
- Pr419f ..... *Paramecium*, stained with Feulgen reaction
- Pr4194e ..... *Paramecium multimicronucleatum*, w.m. nuclei stained. this species contains several micronuclei
- Pr4195e ..... *Paramecium aurelia*, w.m. nuclei stained. This species containing one macronucleus and two micronuclei
- Pr4196e ..... *Paramecium bursaria*, w.m. and nuclei stained, showing symbiotic zoochlorellae in endoplasm
- Pr422e ..... *Vorticella*, a common stalked ciliate w.m.
- Pr4222e ..... *Vorticella*, a marine species, coloniate ciliate
- Pr421d ..... *Stylonychia*, a common ciliate w.m.
- Pr430e ..... *Colpidium*, a common holotrich ciliate
- Pr427f ..... *Spirostomum ambiguum*, a ciliate with very large nucleus
- Pr428g ..... *Stentor*, a trumpet-shaped large ciliate \*
- Pr429e ..... *Euplotes*, a common marine ciliate
- Pr4306f ..... *Bursaria truncatella*, a large fresh water ciliate \*
- Pr4309e ..... *Blepharisma*, a large ciliate with pigment granules \*
- Pr4305e ..... *Didinium nasutum*, a small ciliate parasite on *Paramecium* \*
- Pr423f ..... *Dendrocometes paradoxus*, suctorial infusoria on the gills of *Gammarus* \*
- Pr424f ..... *Trichodina domerguei*, parasite living on fish gills \*
- Pr4307e ..... *Ephelota*, a stalked marine suctorian \*
- Pr4311e ..... *Suctoria*, marine species
- Pr425f ..... *Opalina ranarum*, smear from frog intestine
- Pr426e ..... *Opalina ranarum*, in section through frog intestine
- Pr4265t ..... *Balantidium coli*, human parasite, smear with trophozoites \*
- Pr4266t ..... *Balantidium coli*, smear with cysts \*
- Pr4267t ..... *Balantidium coli*, in sec. of human intestine \*
- Pr433f ..... Ciliates from the rumen of cow, different species
- Pr435h ..... Ciliates, specially prepared and stained to show the cilia
- Pr440f ..... Mixed protozoa, many different forms are found on this slide

### **Mesozoa**

- Me111f ..... *Dicyema*, simple animal with body and sexual cells, from smear of *Sepia* \*

### **Turbellaria – Turbellarians**

- Py111f ..... *Planaria*, selected specimen stained for general study, of the body, flat w.m.
- Py1115g ..... *Planaria*, selected specimen specially stained to show the digestive tract and its branches and diverticula, w.m.\*
- Py112c ..... *Planaria*, t.s. through the body for general study
- Py113c ..... *Planaria*, t.s. through the body in region of pharynx
- Py114e ..... *Planaria*, section selected to show the ocelli
- Py115f ..... *Planaria*, t.s. through three regions: anterior end, region of pharynx and region of gonads
- Py1162e ..... *Planaria*, sagittal l.s. for general structures
- Py117f ..... *Planaria*, median l.s. through entire specimen

### **Mesozoa**

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## **Turbellaria – Turbellarians**

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- Py112c ..... Planaria, t.s. through the body for general study
- Py113c ..... [Planaria, t.s. through the body in region of pharynx](#)
- Py114e ..... Planaria, section selected to show the ocelli
- Py115f ..... Planaria, t.s. through three regions: anterior end, region of pharynx and region of gonads
- Py1162e ..... Planaria, sagittal l.s. for general structures
- Py117f ..... Planaria, median l.s. through entire specimen

## **Trematodes – Flukes**

- Py211e ..... [Dicrocoelium lanceolatum \(D. dendriticum\), sheep liver fluke, entire mount and stained for internal structures](#)
- Py212d ..... Dicrocoelium lanceolatum, t.s. of the body
- Py2121d .... Dicrocoelium lanceolatum, ova w.m.
- Py213f ..... [Fasciola hepatica \(Distomum hepaticum\), beef liver fluke, selected specimen flat mount and carefully stained](#)
- Py214c ..... [Fasciola hepatica, t.s. through the body](#)
- Py2142d .... Fasciola hepatica, t.s. through two different body regions
- Py215e ..... Fasciola hepatica, near median l.s. through adult specimen
- Py2152d .... Fasciola hepatica, l.s. through two different body regions
- Py216d ..... [Fasciola hepatica, ova w.m.](#)
- Py217h ..... [Fasciola hepatica, miracidia \(free living larvae\) w.m. \\*](#)
- Py2172i ..... Fasciola hepatica, redia w.m. \*
- Py2173i ..... Fasciola hepatica, cercaria w.m. \*
- Py2174i ..... Fasciola hepatica, metacercaria w.m. \*
- Py219f ..... [Fasciola hepatica, redia and cercaria in sec. through infected snail liver](#)
- Py220e ..... Fasciola hepatica, horizontal l.s. through entire specimen
- Py2201e .... Fasciola hepatica, horizontal l.s. through entire specimen specially fixed and stained to show the excretory system
- Py2202e .... Fasciola hepatica in bile ducts of liver, t.s.
- Py2205u .... Fasciolopsis buski, large intestinal fluke, flat mount \*
- Py2206e .... Fasciolopsis buski, ova w.m.
- Py2207u .... Fasciolopsis buski, miracidia w.m. \*
- Py2208u .... Fasciolopsis buski, redia w.m. \*
- Py2209u .... Fasciolopsis buski, cercaria w.m. \*
- Py221h ..... [Schistosoma mansoni, causing bilharziosis, adult male w.m.](#)
- Py222h ..... [Schistosoma mansoni, adult female w.m.](#)
- Py223i ..... Schistosoma mansoni, adult male and female in copula, w.m. and carefully stained for general study
- Py224e ..... Schistosoma mansoni, t.s. of adult male and female
- Py225h ..... Schistosoma mansoni, miracidia w.m. \*
- Py226h ..... Schistosoma mansoni, cercaria with bifurcate tail w.m. \*
- Py227g ..... [Schistosoma mansoni, section through infected snail liver showing cercaria](#)
- Py228f ..... Schistosoma mansoni, section through snail liver not infected, for comparison
- Py229g ..... [Schistosoma mansoni, ova in section of liver or intestine \\*](#)
- Py230e ..... [Schistosoma mansoni, ova in faeces w.m.](#)
- Py231e ..... [Schistosoma haematobium, ova from urine sediment w.m.](#)
- Py232e ..... Schistosoma japonicum, ova in faeces w.m. \*
- Py233h ..... Schistosoma japonicum, adult male w.m. \*
- Py234h ..... Schistosoma japonicum, adult female w.m. \*
- Py2345u .... Schistosoma japonicum, miracidia w.m. \*
- Py2347v .... Schistosoma japonicum, cercariae w.m. \*
- Py247h ..... Clonorchis sinensis, Chinese liver fluke, w.m. of adult \*
- Py2472d .... Clonorchis sinensis, t.s. through the body
- Py248s ..... Clonorchis sinensis, sec. of human liver with parasitic worms in the bile ducts \*
- Py2483h .... Clonorchis sinensis, metacercaria w.m. \*
- Py249e ..... Clonorchis sinensis, ova w.m.
- Py245h ..... Opisthorchis felinus, cat liver fluke, w.m. of adult \*
- Py251t ..... Heterophyes heterophyes, fluke parasite in human intestine, w.m. of adult specimen \*
- Py253h ..... Echinostoma revolutum, occurring in mammals, adult w.m. \*
- Py254e ..... Echinostoma revolutum, ova w.m.
- Py255h ..... Echinoparyphium recurvatum, occurring in poultry, w.m. of adult specimen
- Py261e ..... Paragonimus, lung fluke, ova w.m. \*
- Py2614i .... Paragonimus, miracidia w.m. \*
- Py2615i .... Paragonimus, rediae w.m. \*

- Py2616i ..... *Paragonimus*, metacercariae w.m. \*
- Py270t ..... *Metagonimus*, w.m., a small intestinal fluke which infests man and animals.
- Py271f ..... *Prosthogonimus macrorchis*, eggs, w.m.
- Py273t ..... *Eurytrema pancreaticum* w.m., parasite of cattle and pig \*
- Py236g ..... *Leucochloridium macrostomum*, parasite of birds, section through snail tentacle with sporocysts containing cercaria
- Py2553h .... *Hypoderaeum conoideum*, an echinostome occurring in ducks, w.m.

### **Cestodes – Tapeworms**

- Py321f ..... *Taenia pisiformis* (*Taenia serrata*), tapeworm of dogs, immature proglottids w.m.
- Py322f ..... *Taenia pisiformis*, mature proglottids w.m.
- Py323f ..... *Taenia pisiformis*, gravid proglottids w.m.
- Py3235d .... *Taenia pisiformis*, t.s. through proglottids
- Py324i ..... *Taenia pisiformis*, scolex w.m. \*
- Py3243k .... *Taenia pisiformis*, composite slide with whole mounts of scolex, immature, mature and gravid proglottids \*
- Py3245d .... *Taenia pisiformis*, ova from faeces w.m.
- Py325f ..... *Cysticercus pisiformis*, bladderworm of *Taenia pisiformis*, section
- Py3251t .... *Cysticercus pisiformis*, w.m. of complete bladderworm \*
- Py311f ..... *Taenia saginata*, tapeworm, proglottids w.m. \*
- Py312g ..... *Taenia saginata*, selected mature proglottids w.m. \*
- Py313d ..... *Taenia saginata*, t.s. of proglottids in different stages, the standard slide for general study
- Py314d ..... *Taenia saginata*, ova in faeces w.m.
- Py3145f ..... *Cysticercus bovis*, bladderworm of *Taenia saginata*, sec. through beef muscle with parasites in situ
- Py3146t ..... *Cysticercus bovis*, w.m. of bladderworm \*
- Py315d ..... *Taenia solium*, human tapeworm, proglottids t.s.
- Py3153i ..... *Taenia solium*, scolex w.m. \*
- Py3154d .... *Taenia solium*, ova in faeces w.m.
- Py3156f ..... *Cysticercus cellulosae*, bladderworm of *Taenia solium*, section through pork muscle with parasites in situ
- Py3157t ..... *Cysticercus cellulosae*, w.m. of complete bladderworm \*
- Py3268f ..... *Dipylidium caninum*, tapeworm of dogs and cats, immature proglottids w.m.
- Py327f ..... *Dipylidium caninum*, mature proglottids w.m.
- Py3271f ..... *Dipylidium caninum*, gravid proglottids w.m.
- Py3272t ..... *Dipylidium caninum*, w.m. of scolex with immature proglottids
- Py3273k .... *Dipylidium caninum*, composite slide with whole mounts of scolex, immature, mature and gravid proglottids \*
- Py3275e .... *Dipylidium caninum*, egg balls with 5 to 20 ova, w.m.
- Py328f ..... *Moniezia expansa*, tapeworm of sheep, proglottids w.m.
- Py3282t ..... *Moniezia expansa*, scolex with immature proglottids w.m.
- Py3283k .... *Moniezia expansa*, composite slide with whole mounts of scolex, immature, mature and gravid proglottids \*
- Py329e ..... *Taenia hydatigena*, tapeworm of dogs and predaceous animals, proglottids t.s.
- Py3293f ..... *Cysticercus tenuicollis*, bladderworm of *T. hydatigena*, sec. of scolex
- Py330f ..... *Hymenolepis nana*, dwarf tapeworm of rats, proglottids w.m.
- Py331d ..... *Hymenolepis nana*, ova from faeces w.m.
- Py3341g .... *Hymenolepis diminuta*, w.m. of mature and gravid proglottids
- Py3342e .... *Hymenolepis diminuta*, ova w.m.
- Py3343g .... *Hymenolepis diminuta*, cysticercoid. W.m., larval stage
- Py332i ..... *Hymenolepis fraterna*, w.m. of entire tapeworm with scolex, immature, mature and gravid proglottids \*
- Py335h ..... *Echinococcus granulosus*, tapeworm of dogs, w.m. of complete tapeworm with scolex and proglottids. Selected and carefully stained specimens \*
- Py336f ..... *Echinococcus granulosus*, scolices from cyst, w.m.
- Py337f ..... *Echinococcus granulosus*, cyst wall and scolices t.s.
- Py338e ..... *Echinococcus granulosus*, sterile cyst t.s.
- Py339e ..... *Echinococcus granulosus*, ova in faeces of dog w.m.
- Py3392f ..... *Echinococcus multilocularis*, cyst with scolices t.s.
- Py344i ..... *Diphyllobothrium latum*, tapeworm of fishes, scolex and immature proglottids w.m. \*
- Py345s ..... *Diphyllobothrium latum*, mature proglottids w.m. \*
- Py346e ..... *Diphyllobothrium latum*, t.s. of mature proglottids
- Py347e ..... *Diphyllobothrium latum*, ova w.m.
- Py348v ..... *Diphyllobothrium erinacei* (*mansonii*), dog and cat tapeworm, w.m., scolex and proglottids
- Py349g ..... *Diphyllobothrium erinacei*. W.m., mature proglottids
- Py350e ..... *Diphyllobothrium erinacei*, ova w.m.
- Py352e ..... *Taenia multiceps* (*Multiceps serialis*), dog tapeworm, sec. of bladderworm stage (*Coenurus cerebralis*) shows several scolices \*
- Py354g ..... *Cysticercus fasciolaris*. sec. of rat liver with cyst of *Taenia taeniaeformis*

## **Nemathelminthes - Roundworms**

- Ne111d ..... *Ascaris megalocephala*, roundworm of horses, t.s. of adult female in region of sex organs
- Ne112d ..... *Ascaris megalocephala*, t.s. of adult male in region of sex organs
- Ne113d ..... *Ascaris megalocephala*, t.s. in region of oesophagus showing the triradiate lumen
- Ne121f ..... *Ascaris megalocephala* embryology. Sec. of uteri showing entrance and modification of sperm in ova
- Ne122f ..... *Ascaris megalocephala* embryology. Sec. of uteri showing maturation stages (meiosis).  
Polar bodies can be seen.
- Ne123f ..... *Ascaris megalocephala* embryology. Sec. of uteri showing ova with male and female pronuclei
- Ne124f ..... *Ascaris megalocephala* embryology. Sec. of uteri showing early cleavage stages (mitosis)
- Ne125f ..... *Ascaris megalocephala* embryology. Sec. of uteri showing later cleavage stages (mitosis)
- Ne129d ..... *Ascaris lumbricoides*, roundworm of man, t.s. of adult female in region of gonads
- Ne130d ..... *Ascaris lumbricoides*, t.s. of adult male in region of gonads
- Ne1305e .... *Ascaris lumbricoides*, t.s. of male and female in region of gonads
- Ne1306d .... *Ascaris lumbricoides*, t.s. in region of oesophagus
- Ne131d ..... *Ascaris lumbricoides*, ova in faeces w.m.
- Ne1312d .... *Ascaris lumbricoides*, infertile ova w.m.
- Ne132e ..... *Ascaris lumbricoides*, isolated muscle cells w.m.
- Ne1323f ..... *Ascaris lumbricoides*, larvae in sec. of pig lung
- Ne235e ..... *Toxocara*, roundworm of dogs, ova in faeces w.m.
- Ne128f ..... *Rhabditis*, a nematode living in earthworms, w.m. of ova showing cleavage stages
- Ne135f ..... *Enterobius vermicularis* (*Oxyuris*), pin worm, w.m. of an adult specimen (male or female, our selection)
- Ne1351g .... *Enterobius vermicularis*, w.m. of adult male \*
- Ne1352f ..... *Enterobius vermicularis*, w.m. of adult female
- Ne136c ..... *Enterobius vermicularis*, ova from faeces w.m.
- Ne1362g .... *Enterobius vermicularis*, sec. through human appendix with parasites in situ
- Ne137e ..... *Strongyloides*, intestinal parasite worm, w.m.
- Ne1373g .... *Strongyloides*, filariform larvae w.m. (infective larvae) \*
- Ne1374g .... *Strongyloides*, sec. through host intestine with parasites
- Ne1377g .... *Strongylus* sp., lung worm, infected lung, sec.
- Ne1378g .... *Strongylus* sp., isolated larvae from faeces
- Ne1392s .... *Ancylostoma caninum*, dog hookworm, adult male w.m.
- Ne1393s .... *Ancylostoma caninum*, adult female w.m.
- Ne1394u .... *Ancylostoma caninum*, adult male and female, two w.m. per slide \*
- Ne1395i ..... *Ancylostoma caninum*, male and female in copula w.m. \*
- Ne1396e .... *Ancylostoma caninum*, ova w.m.
- Ne1397t ..... *Ancylostoma caninum*, rhabditiform larvae w.m. \*
- Ne1398t ..... *Ancylostoma caninum*, filariform larvae w.m. \*
- Ne143h ..... *Ancylostoma duodenale*, hookworm of man, adult male w.m. \*
- Ne144h ..... *Ancylostoma duodenale*, adult female w.m. \*
- Ne1445k .... *Ancylostoma duodenale*, w.m. of adult male and female per slide \*
- Ne145e ..... *Ancylostoma duodenale*, t.s. of male and female
- Ne146e ..... *Ancylostoma duodenale*, ova w.m.
- Ne147h ..... *Ancylostoma duodenale*, rhabditiform larvae w.m. \*
- Ne1472h .... *Ancylostoma duodenale*, filariform larvae w.m. \*
- Ne1491g .... *Ancylostoma braziliense*, South American hookworm, adult male w.m. \*
- Ne1492g .... *Ancylostoma braziliense*, adult female w.m. \*
- Ne1512v .... *Necator americanus*, adult male w.m. \*
- Ne1513v .... *Necator americanus*, adult female w.m. \*
- Ne1514f ..... *Necator americanus*, eggs w.m.
- Ne1515h .... *Necator americanus*, rhabditiform larvae. w.m. \*
- Ne1516h .... *Necator americanus*, filariform larvae. w.m. \*
- Ne152f ..... *Heterakis spumosa*, intestinal parasite of rat, w.m. of male or female
- Ne153f ..... *Heterakis papillosa*, intestinal parasite of chicken, w.m. of male or female \*
- Ne163d ..... *Trichinella spiralis*, section of infected muscle with encysted larvae
- Ne164e ..... *Trichinella spiralis*, w.m. of muscle piece with encysted larvae
- Ne1642e .... *Trichinella spiralis*, calcified larva in muscles, w.m.
- Ne1643f ..... *Trichinella spiralis*, migrating in muscles, l.s.
- Ne161t ..... *Trichinella spiralis*, adult male from intestine, w.m. \*
- Ne162t ..... *Trichinella spiralis*, adult female from intestine, w.m. \*
- Ne165g ..... *Trichinella spiralis*, adults in section of infected intestine \*
- Ne154h ..... *Trichuris trichiura*, whip worm, w.m. of adult male or female \*
- Ne155d ..... *Trichuris trichiura*, ova in faeces w.m.
- Ne1551f ..... *Trichuris trichiura*, sec. of infected colon showing the parasitic worms in situ

Ne156g ..... Trichostrongylus, intestinal parasite, w.m. of adult male or female \*

Ne231f ..... Oesophagostomum radiatum, roundworm of cattle, w.m. of adult specimen \*

Ne232f ..... Oesophagostomum columbianum, roundworm of sheep, w.m. of adult specimen \*

Ne234f ..... Haemonchus contortus, stomach worm of cattle, w.m. of adult specimen

Ne158f ..... [Litomosoides carinii, microfilaria, many specimen w.m.](#)

Ne1585s .... Dirofilaria immitis, heartworm, smear of blood of dog with parasitic larvae

Ne1587k .... Dipetalonema perstans, smear of human blood with microfilariae

Ne1597g .... Microfilaria, smear from bird lung with parasites w.m. \*

Ne159f ..... [Onchocerca volvulus, sec. through host tissue with tumor containing larvae \(filaria\)](#)

Ne1592h .... Onchocerca volvulus, w.m. of microfilaria from smear of tumor \*

Ne138d ..... [Anguillula aceti, vinegar eels, many stages of development in one slide, w.m.](#)

Ne221d ..... Gordius, a parasitic nematode living in insects, t.s. through the body

Ne222f ..... Gordius, t.s. of infected insect showing the parasites in situ

Ne250d ..... Nemertinea, non-parasitic marine species, t.s. in the region of proboscis

Ne170g ..... [Mixed ova in faecal material. Slide containing eggs of parasitic worms of different species i.e. Ascaris, Ancylostoma, Trichuris, Taenia, Enterobius, Schistosoma etc. \\*](#)

### **Annelida - Annelid and Diverse**

An118e ..... [Nereis, marine polychaete worm, w.m. of parapodium](#)

An119d ..... Nereis, t.s. of head for general study

An120f ..... Nereis, t.s. of head showing brain and eye

An121d ..... [Nereis, typical t.s. through the body for general study](#)

An127d ..... Arenicola, lugworm, t.s. through the body

An128f ..... Sabella, a sessile marine polychaete, t.s. through the body in different levels

An130f ..... Magelona, marine polychaete, larva w.m.

An122d ..... [Tubifex, a fresh water oligochaete, w.m. of adult worm](#)

An1264f .... Trochophora-Larva, w.m.

An1265g .... Trochophora-Larva in metamorphosis, w.m.

An124d ..... [Hirudo medicinalis, medicinal leech, t.s. through the body for demonstrating general structures of a leech](#)

An1240d .... Hirudo medicinalis, oral sucker, t.s.

An1241d .... Hirudo medicinalis, anterior end with ventral sucker, l.s.

An1242f .... Hirudo medicinalis, anterior end l.s. showing eye

An1243d .... Hirudo medicinalis, posterior end with large suckorial disc, l.s.

An123d ..... Haemopsis sanguisuga, horse leech, t.s. of the body

An1244f ..... [Leech, small entire specimen stained and w.m. \\*](#)

An131c ..... [Lumbricus terrestris, earthworm, t.s. of body back of the clitellum. The Standard slide for general body structure, showing intestine, nephridia, typhlosole, etc. triply stained.](#)

An132e ..... Lumbricus, t.s. selected to show setae

An133c ..... [Lumbricus, sagittal l.s. through three or more typical segments back of clitellum](#)

An134c ..... Lumbricus, region of mouth, t.s.

An135e ..... Lumbricus, region of the cerebral ganglia, t.s.

An1352g .... Lumbricus, anterior end sagittal l.s. showing the cerebral and subpharyngeal ganglia

An136f ..... Lumbricus, frontal l.s. through ventral nerve cord

An1365d .... Lumbricus, region of pharynx, t.s.

An137c ..... Lumbricus, region of oesophagus t.s.

An1375d .... Lumbricus, region of hearts t.s.

An138c ..... [Lumbricus, seminal vesicle t.s.](#)

An1385d .... Lumbricus, seminal receptacle t.s.

An139e ..... Lumbricus, sperm funnels t.s.

An140e ..... Lumbricus, ovary with developing eggs t.s. \*

An141f ..... Lumbricus, testis t.s. \*

An1415d .... [Lumbricus, crop t.s.](#)

An142d ..... Lumbricus, gizzard t.s.

An143c ..... [Lumbricus, clitellum t.s.](#)

An1435e .... Lumbricus, section selected to show nephridiopore

An1436h .... Lumbricus, nephridium dissected and w.m. \*

An1437e .... Lumbricus, showing funnel of nephridia, t.s.

An144e ..... [Lumbricus, anterior end including gonads, sagittal l.s.](#)

An145g ..... Lumbricus, anterior end, near median sagittal l.s. with the ventral nerve cord, oesophagus etc. \*

An147e ..... Lumbricus, 1st – 9th segment, sagittal l.s., mouth and oesophagus

An148e ..... Lumbricus, 9th – 16th segment, sagittal l.s., sex organs

An149e ..... Lumbricus, 16th – 23rd segment, sagittal l.s., crop and gizzard

An150d ..... Lumbricus, blood smear

An151d ..... Lumbricus, sperm smear  
An1261d .... Lineus sp., nemertine, proboscis t.s.  
An1262d .... Lineus sp., of middle region of body t.s.  
An125d ..... Sagitta, arrow worm, entire specimen w.m.  
An1252e .... Sagitta, l.s. of specimen

## **BACTERIOLOGY**

### **Spherical bacteria, cocci**

Ba117e [Diplococcus pneumoniae](#), causing croupous pneumonia, smear  
Ba118d [Gaffkya tetragena](#), occurring as tetrads, smear  
Ba113d [Micrococcus roseus](#), smear from culture  
Ba110e [Neisseria catarrhalis](#), smear from culture  
Ba111f • [Neisseria gonorrhoeae](#), causing gonorrhoea, smear \*  
Ba1113e • [Neisseria meningitidis \(intracellularis\)](#), causing epidemic meningitis, smear from culture \*  
Ba114d • [Sarcina lutea](#), chromogenic rods occurring in packets  
Ba112d • [Staphylococcus aureus](#), pus organism, smear from culture  
Ba1123d [Staphylococcus epidermidis](#), smear from culture  
Ba1163d [Streptococcus faecalis](#), smear from culture  
Ba116d • [Streptococcus lactis](#), milk souring organism, smear from culture showing short chains  
Ba115e • [Streptococcus pyogenes](#), smear from pus showing long chains  
Ba1151d [Streptococcus pyogenes](#), smear from culture showing short chains  
Ba1165f [Hemolytic streptococci](#), blood poisoning, blood smear

### **Rod-shaped bacteria, non spore-forming, gram-positive**

Ba136d ..... [Corynebacterium diphtheriae](#), smear from culture  
Ba137f ..... [Corynebacterium diphtheriae](#), stained to show the polar bodies  
Ba127d ..... [Lactobacillus bulgaricus \(Thermobacterium\)](#), Yoghurt bacteria (Bulgarian soured milk), from culture  
Ba1272e .... [Lactobacillus casei](#), cheese and other milk products  
Ba135h ..... [Mycobacterium leprae](#), causing leprosy, smear or tissue section \*  
Ba131d ..... [Mycobacterium tuberculosis](#), smear from culture  
Ba132e ..... [Mycobacterium tuberculosis](#), smear from positive sputum stained after Ziehl-Neelsen  
Ba133g ..... [Mycobacterium tuberculosis](#), section of infected tissue, bacteria stained \*

### **Rod-shaped bacteria, non spore-forming, gram-negative**

Ba153d ..... [Acetobacter aceti](#), manufacture of vinegar, smear  
Ba1385d .... [Aerobacter aerogenes](#), smear from culture  
Ba155d ..... [Azotobacter](#), rods from soil, smear  
Ba139e ..... [Bacterium erysipelatos \(Erysipelothrix rhusiopathiae\)](#), smear \*  
Ba151d ..... [Bacterium prodigiosum \(Serratia marcescens\)](#), formation of red pigment, smear  
Ba1502d .... [Brucella abortus](#), causing abortion in cattle (Bang disease), smear  
Ba144d ..... [Eberthella typhi](#), causing typhoid fever, smear  
Ba1416e .... [Erwinia amylovora](#), occurring in short chains, causing pear blight, smear  
Ba1417e .... [Erwinia caratovora](#), causing soft rot in vegetables, smear  
Ba1418e .... [Erwinia caratovora](#), section showing bacterial infection of tissue  
Ba143d ..... [Escherichia coli](#), colon bacteria, smear  
Ba150d ..... [Hemophilus influenzae \(Pfeiffer\)](#), smear  
Ba138e ..... [Klebsiella pneumoniae \(Friedlander\)](#), causing pneumonia smear  
Ba158f ..... [Pasteurella \(Yersinia\) pestis](#), bubonic plague, smear  
Ba1505d .... [Pasteurella pseudotuberculosis](#), smear from culture  
Ba142d ..... [Proteus vulgaris](#), putrefaction, smear from culture  
Ba1425d .... [Pseudomonas aeruginosa](#), smear from culture  
Ba1426e .... [Pseudomonas solonacearum](#), causes tobacco bacterial wilt, smear  
Ba1427e .... [Pseudomonas solonacearum](#), t.s. stem with bacteria in tissue \*  
Ba141d ..... [Rhizobium radicicola](#), smear from culture  
Ba140d ..... [Rhizobium radicicola](#), nitrogen fixing organisms, section through root nodule of lupin showing bacteria in situ  
Ba146d ..... [Salmonella enteritidis](#), causes meat poisoning, smear  
Ba145d ..... [Salmonella paratyphi](#), paratyphoid fever, smear  
Ba147d ..... [Salmonella pullorum](#), chicken disease, smear  
Ba149d ..... [Shigella dysenteriae](#), causes bacillary dysentery, smear  
Ba1493d .... [Shigella sonnei](#), smear from culture  
Ba1428e .... [Xanthomonas phaseoli](#), causing bacterial bean blight, sec. through the infected tissue

### **Rod-shaped bacteria, spore-forming (bacilli)**

- Ba1263d .... [Bacillus anthracis, smear from culture](#)
- Ba125f ..... [Bacillus anthracis, causes wool sorter's disease, smear from infected spleen. Olt's capsule stain](#)
- Ba1265f ..... [Bacillus anthracis, spores stained \\*](#)
- Ba126g ..... [Bacillus anthracis, in section through infected tissue \\*](#)
- Ba120d ..... [Bacillus cereus, bacteria from soil, smear from culture](#)
- Ba1202f ..... [Bacillus cereus, spores stained](#)
- Ba134d ..... [Bacillus larvae, bee disease, smear](#)
- Ba124d ..... [Bacillus megaterium, from soil, smear from culture](#)
- Ba123d ..... [Bacillus mesentericus, smear from culture](#)
- Ba122d ..... [Bacillus mycoides, large soil organisms growing in chains](#)
- Ba121d ..... [Bacillus subtilis, hay bacillus, smear showing bacilli and spores doubly stained](#)
- Ba1303e .... [Clostridium botulinum, causing food poisoning, smear](#)
- Ba1285d .... [Clostridium perfringens, causing gas gangrene, smear](#)
- Ba1287f ..... [Clostridium perfringens, smear stained to show spores](#)
- Ba128d ..... [Clostridium septicum, smear from culture](#)
- Ba130f ..... [Clostridium tetani, special stained to show the terminal spores by the Ziehl-Neelsen method](#)
- Ba129e ..... [Clostridium tetani, causing lockjaw, smear](#)

### **Spiral bacteria and spirochaetes**

- Ba164f ..... [Vibrio comma, causing Asiatic cholera, smear](#)
- Ba161e ..... [Spirillum volutans, a very large spirillum, smear \\*](#)
- Ba162d ..... [Spirillum serpens, from putrid water, smear](#)
- Ba163d ..... [Spirillum undula, in stagnant water, smear](#)
- Ba165d ..... [Rhodospirillum rubrum, chromogenic rods, smear](#)
- Ba167g ..... [Borrelia duttoni \(Spirochaeta recurrentis\), causes Central african relapsing fever, blood smear with organisms \\*](#)
- Ba170h ..... [Treponema pallidum \(Spirochaeta pallida\), section through syphilitic lesion stained by Levaditi's silver method \\*](#)

### **Miscellaneous groups**

- Ba1528d .... [Actinomyces alni, sec. of root nodule showing mycorrhiza of alder](#)
- Ba1526f ..... [Actinomyces bovis, causing lumpy jaw, section through infected tissue](#)
- Ba1525e .... [Actinomyces, causing lumpy jaw, smear](#)
- Ba157e ..... [Caulobacter, stalk bacterium, smear](#)
- Ba193d ..... [Galionella, iron bacteria, smear](#)
- Ba191d ..... [Methanobacterium, forming methane, smear](#)
- Ba190d ..... [Sphaerotilus natans, from putrid water, long chains with sheaths](#)
- Ba152d ..... [Streptomyces griseus, streptomycin antibiotic, smear](#)
- Ba192d ..... [Thiocystis or Lamprocystis, sulphur bacteria, smear](#)
- Ba250e ..... [Tobacco mosaic, a virus disease, sec. of infected leaf \\*](#)

### **Typical bacteria, composite slides**

- Ba171d ..... [Bacteria from mouth, Gram positive and negative bacteria can be observed in this slide, ideal for demonstration](#)
- Ba201e ..... [Typical bacteria: three smears on one slide, cocci, bacteria and spirilli are shown, carefully stained](#)
- Ba203e ..... [Mixed bacteria: slide showing mixed species from a number of different pure cultures](#)
- Ba2061d .... [Typical coccus, round-shaped, Gram-negative, smear](#)
- Ba2062d .... [Typical coccus, round-shaped, Gram-positive, smear](#)
- Ba2071d .... [Typical cocci in chains \(streptococci\), smear](#)
- Ba2072d .... [Typical cocci in clumps \(staphylococci\), smear](#)
- Ba2051d .... [Typical bacillus, rod-shaped, Gram negative, smear](#)
- Ba2052d .... [Typical bacillus, rod-shaped, Gram-positive, smear](#)
- Ba2065d .... [Typical bacilli in chains \(streptobacilli\), smear](#)
- Ba209d ..... [Typical spirilli, spiral- or comma-shaped, smear](#)
- Ba181d ..... [Bacteria from bread, direct smear](#)
- Ba182d ..... [Bacteria from cheese, smear or section](#)
- Ba183d ..... [Bacteria from sour milk, smear](#)
- Ba184d ..... [Bacteria from human intestine, smear](#)
- Ba185d ..... [Bacteria from yoghurt, smear](#)
- Ba186d ..... [Bacteria from sauerkraut, smear](#)
- Ba187d ..... [Bacteria from hay infusion causing decomposition, smear](#)

### **Cytological slides, special staining techniques**

- Ba2081d .... Typical mixed bacteria, including Gram-positive and Gram-negative rods, smear
- Ba210g ..... Lophotrichous flagella on Spirillum, specially stained \*
- Ba212g ..... Monotrichous flagella on Vibrio or Pseudomonas, spec. stained \*
- Ba211g ..... Peritrichous flagella on Salmonella or Proteus, spec. stained \*
- Ba221f ..... Capsule stain (Klebsiella pneumoniae), smear specially stained
- Ba224g ..... Nuclear stain (Bacillus cereus), smear specially stained for nuclear material (DNA) \*
- Ba225t ..... Cell division (Bacillus cereus), Feulgen stain \*
- Ba229f ..... Metachromatic granules or polar bodies (Corynebacterium diphtheriae), smear specially stained
- Ba226f ..... Spore stain (Bacillus subtilis), smear doubly stained with central spores
- Ba228f ..... Spore stain (Clostridium botulinum), smear doubly stained with subterminal spores

Discounts apply for multiple slide purchases.

There are three different types of storage boxes. Standard boxes, Special Type-boxes, Flat Display Cases.