

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.

VERTEBRATES

PISCES - Cyclostomata - Jawless fishes

- Pi1271h Ammocoetes, lamprey, larva small specimen w.m. *
- Pi1273f Ammocoetes, region of head t.s.
- Pi1274f Ammocoetes, region of pharynx t.s.
- Pi1275f Ammocoetes, region of abdomen t.s.
- Pi1276f Ammocoetes, region of tail t.s.
- Pi120d Petromyzon, lamprey, head t.s.
- Pi121d Petromyzon, region of gills t.s.
- Pi122d Petromyzon, region of abdomen t.s.
- Pi123c Petromyzon, region of tail t.s.
- Pi124g Petromyzon, region of head and gills, horizontal l.s. *
- Pi1252f Petromyzon, chorda l.s.
- Pi1253f Petromyzon, chorda t.s.
- Pi1254c Petromyzon, intestine, t.s.
- Pi1255d Petromyzon, region of mouth t.s.
- Pi1256c Petromyzon, kidney t.s.
- Pi1257d Petromyzon, ovary t.s.
- Pi1258f Petromyzon, brain t.s.
- Pi1259d Petromyzon, chorda and spinal cord, t.s.

Selachii - Cartilaginous fishes

- Pi109g Scyllium, dogfish, horizontal l.s. through region of head and gills of entire young specimen *
- Pi1095f Scyllium, region of head, t.s.
- Pi110f Scyllium, gill arch t.s.
- Pi111f Scyllium, dogfish, t.s. in region of thorax and gills of entire young specimen
- Pi112f Scyllium, dogfish, t.s. in region of abdomen, with spiral intestine and liver
- Pi113d Scyllium, t.s. of fin
- Pi114d Scyllium, t.s. in region of tail
- Pi115d Scyllium, skin with placoid scales, vertical l.s.
- Pi1152f Scyllium, skin with placoid scales, w.m.
- Pi1153f Scyllium, yaw with developing tooth t.s.
- Pi1154f Scyllium, brain l.s.
- Pi1155f Scyllium, olfactory epithelium, t.s.
- Pi1156f Scyllium, lateral line organ t.s.
- Pi116d Scyllium, cartilage t.s.
- Pi117e Scyllium, vertebral column with spinal cord and notochord, t.s.
- Pi118g Scyllium, heart sagittal l.s. *
- Pi119g Scyllium, brain sagittal l.s. *
- Pi169e Torpedo marmorata, electric ray, t.s. of electric organ

Teleostei - Bony fishes

- Pi130g Fresh water fish (small specimen), entire sagittal l.s.
- Pi131d Fresh water fish, mouth region t.s.
- Pi132e Fresh water fish, head and eyes t.s.
- Pi1325f Fresh water fish, head with brain sagittal l.s.
- Pi133d Fresh water fish, region of gills t.s.
- Pi134d Fresh water fish, region of heart t.s.
- Pi135d Fresh water fish, abdominal region showing kidney, liver and intestine t.s.

Pi136d Fresh water fish, region of gonads t.s.
 Pi137c Fresh water fish, region of tail t.s.
 Pi138f Fresh water fish, horizontal l.s. through head and gills
 Pi139f Fresh water fish, retina adapted to darkness, t.s. of head
 Pi1392f Fresh water fish, retina adapted to brightness, t.s. of head
 Pi140e Fresh water fish, sec. of eye showing horizontal section of the retina
 Pi141f Fresh water fish, heart sagittal l.s.
 Pi160c [Cyprinus, gills t.s.](#)
 Pi157d Cyprinus, heart l.s.
 Pi162c [Cyprinus, blood smear](#)
 Pi164d Cyprinus, pronephros (head kidney) t.s.
 Pi155c [Cyprinus, stomach t.s.](#)
 Pi154c [Cyprinus, small intestine t.s.](#)
 Pi151c Cyprinus, carp, liver t.s.
 Pi156c Cyprinus, pancreas t.s.
 Pi158c Cyprinus, air bladder t.s.
 Pi159c Cyprinus, kidney t.s.
 Pi153c [Cyprinus, ovary t.s.](#)
 Pi152c [Cyprinus, testis t.s.](#)
 Pi161d Cyprinus, brain t.s.
 Pi163c [Cyprinus, skin vertical l.s.](#)
 Pi165d [Cyprinus, barb \(tactile organ\) t.s.](#)
 Pi1652f Cyprinus, t.s. of lateral line organ. The organ of balance *
 Pi1661d Trutta, trout, heart l.s.
 Pi1662c Trutta, gills t.s.
 Pi1663c Trutta, kidney t.s.
 Pi1664d Trutta, testis t.s.
 Pi1665e Trutta, brain l.s., routine stained
 Pi1666f Trutta, brain l.s., silvered
 Pi1667f Trutta, brain, t.s. of 3 regions (Bulbi olfactorii, Tectum opticum, Cerebellum)
 Pi1668d Trutta, vertebral column and spinal cord, t.s.
 Pi1671c Gasterosteus, stickleback, gills w.m.
 Pi1672e Gasterosteus, eye, radial l.s.
 Pi1674c Gadus, codfish, brain t.s.
 Pi180d Pleuronectes, flounder, skin with chromatophores w.m.
 Pi181e Syngnathus or Hippocampus, sea horse, t.s. showing the agglomerulous kidney
 Pi182d Fish, t.s. of jaw showing teeth
 Pi183f Lebitis, fish, organ of equilibration with macula t.s.
 Pi1265d Anguilla vulgaris, eel, young specimen t.s.
 Pi171b [Cycloid scales w.m.](#)
 Pi172b [Ctenoid scales w.m.](#)
 Pi173b [Placoid scales w.m.](#)
 Pi174e Ganoid (rhomboid) scales w.m. *
 Pi175f Fish scales composite slide, shows cycloid, ctenoid and placoid scales on one slide, w.m.

AMPHIBIA

Am1021d ... Amphiuma, Congo eel, blood smear
 Am1022d ... Amphiuma, heart t.s.
 Am1023d ... Amphiuma, artery t.s.
 Am1025d ... Amphiuma, lung t.s.
 Am1027d ... Amphiuma, oesophagus t.s.
 Am1028d ... Amphiuma, stomach t.s.
 Am1029d ... Amphiuma, small intestine t.s.
 Am1031d ... Amphiuma, large intestine t.s.
 Am1033d ... Amphiuma, liver t.s.
 Am1034d ... Amphiuma, spleen t.s.
 Am1036d ... Amphiuma, ovary t.s.
 Am1037d ... Amphiuma, oviduct t.s.
 Am1039d ... Amphiuma, testis t.s.
 Am1041d ... Amphiuma, urinary bladder t.s.
 Am1043d ... Amphiuma, skin vertical l.s.
 Am121e [Salamandra larva, serial sections from selected material to show mitotic stages in the skin and in other organs](#)
 Am111e Salamandra larva, head with eyes t.s.

Am112d Salamandra larva, region of external gills t.s.
Am113d Salamandra larva, region of thorax and legs t.s.
Am114d Salamandra larva, region of abdomen t.s.
Am115c Salamandra larva, region of tail t.s.
Am141d Salamandra, t.s. of liver for demonstration of typical animal cells with nuclei, cytoplasm and cell membranes
Am146e Salamandra, testis t.s., usually many meiotic and mitotic stages can be observed
Am131d Salamandra, skin with poison glands, vertical l.s.
Am132c Salamandra, lung t.s.
Am133c Salamandra, blood smear
Am142c Salamandra, kidney t.s.
Am143c Salamandra, stomach t.s.
Am144c Salamandra, small intestine t.s.
Am145d Salamandra, thyroid gland t.s. *
Am147d Salamandra, ovary t.s.
Am148d Salamandra, tail t.s.
Am151e Triturus, molge, eye of adult, radial l.s.
Am152e Triturus, eye of larva, radial l.s.
Am153e Necturus, axolotl, gills t.s.
Am201d Rana, frog, epidermis flat mount for squamous epithelium w.m.
Am2012c ... Rana, squamous epithelium, w.m. of isolated cells
Am2013c ... Rana, columnar epithelium, w.m. of isolated cells
Am202d Rana, roof of mouth with ciliated epithelium, t.s.
Am2021c ... Rana, ciliated epithelium, w.m. of isolated cells
Am203d Rana, compact bone decalcified, t.s.
Am204d Rana, head of femur t.s. showing bone and hyaline cartilage
Am205d Rana, hyaline cartilage of sternum t.s.
Am206d Rana, striated (skeletal) muscle, l.s.
Am207d Rana, striated muscle t.s.
Am208d Rana, striated muscle, isolated fibres w.m.
Am2083c ... Rana, heart muscle, isolated fibres w.m.
Am209e Rana, nerve fibres isolated, fixed and stained with osmic acid to show Ranvier's nodes w.m.
Am210d Rana, adipose tissue t.s.
Am211d Rana, leg t.s. shows artery, vein, bone, nerve etc.
Am212c Rana, lung t.s., simple baglike lung with large central cavity
Am2123e ... Rana, contracted and expanded lung, two t.s. on same slide
Am213d Rana, heart l.s., showing l.s. and t.s. of heart muscle
Am214c Rana, blood smear
Am215c Rana, tongue t.s., with papillae, glands, muscles
Am2155f ... Rana, head with mouth cavity and tongue l.s.
Am216c Rana, oesophagus t.s., showing ciliated epithelium
Am217c Rana, stomach t.s., mucous membrane with gastric glands
Am218c Rana, small intestine t.s., showing villi
Am219c Rana, large intestine (colon), t.s. with goblet cells
Am220c Rana, liver t.s., liver parenchyme and bile ducts
Am221c Rana, pancreas t.s. with islets of Langerhans
Am222c Rana, gall bladder t.s.
Am223c Rana, spleen t.s., lymphatic tissue
Am224e Rana, thyroid gland with colloid t.s.
Am225c Rana, kidney t.s. showing Malpighian corpuscles and tubules
Am2252c ... Rana, kidney l.s.
Am226c Rana, urinary bladder t.s., showing smooth muscles
Am235d Rana, ureter t.s.
Am227d Rana, ovary with developing eggs t.s.
Am228c Rana, fallopian tube t.s.
Am229d Rana, testis showing spermatogenesis t.s.
Am2292d ... Rana, sperm smear
Am2295d ... Rana, peripheral nerve t.s.
Am230c Rana, anterior part of brain t.s.
Am2305e ... Rana, t.s. of brain in three different regions
Am231f Rana, complete brain sagittal l.s.
Am2312f ... Rana, complete brain sagittal l.s., silver stained
Am232d Rana. spinal cord t.s., with white and grey matter
Am233d Rana, posterior part of eyeball with retina, sagittal l.s.
Am2331g ... Rana, entire eyeball sagittal l.s. for general structures *

Am234c [Rana, skin with skin glands, vertical l.s.](#)
Am2343f Rana, skin, w.m. showing injected vessels and chromatophores
Am251f Rana, small specimen, t.s. region of mouth
Am252f Rana, small specimen, t.s. through head
Am253f Rana, small specimen, t.s. region of thorax
Am254f Rana, small specimen. t.s. region of abdomen
[Am261e Rana larva, tadpole, head and eyes t.s.](#)
[Am262d Rana larva, tadpole, thorax with gills t.s.](#)
[Am2622d ... Rana larva, tadpole, region of lungs t.s.](#)
[Am263d Rana larva, tadpole, abdomen t.s.](#)
[Am265d Rana larva, tadpole, skin with pigment cells, w.m.](#)
Am270g Rana larva, l.s. of 5 tadpoles of different age
Am291f Rana embryology: frog, early cleavage t.s.
Am292f Rana embryology: frog, blastula t.s.
Am293f Rana embryology: frog, gastrula t.s.
Am294f Rana embryology: frog, neurula t.s.
Am295f Rana embryology: frog, young larva t.s.

REPTILIA

Re121d Ophidia sp., snake, skin with scales flat mount w.m.
Re122d Ophidia sp., snake, skin with scales vertical l.s.
Re151c Tropidonotus, snake, striated muscles l.s.
Re153c Tropidonotus, trachea t.s.
Re154c Tropidonotus, lung t.s.
Re152c Tropidonotus, intestine and testis, t.s.
Re158c Tropidonotus, uterus t.s.
Re155d Tropidonotus, brain t.s.
Re157h Tropidonotus, motor nerve endings (end plates) in striated muscle of snake, w.m.
Re156h Tropidonotus, Jacobson's organ (vomeronasal organ), head of snake, t.s. *
Re161d Anguis, slow-worm, t.s. of embryo and placenta
Re240f Tarentola, gecko, l.s. of toe adapted for climbing
[Re211c Lacerta, lizard, blood smear](#)
Re212d Lacerta, trachea t.s.
[Re213c Lacerta, lung t.s.](#)
Re214c Lacerta, kidney t.s.
Re215c Lacerta, testis t.s. showing spermatogenesis
[Re216c Lacerta, intestine t.s.](#)
Re217c Lacerta, liver t.s.
Re2173d Lacerta, heart l.s.
Re218d Lacerta, ovary t.s.
Re219d Lacerta, adrenal gland t.s.
Re220d Lacerta, t.s. of jaw showing changing of teeth
Re221d Lacerta, brain t.s.
[Re231d Lacerta, skin with scales vertical l.s.](#)
Re235f Lacerta, small specimen, sagittal l.s. of the head
Re237h Lacerta, small specimen, sagittal l.s. of the head showing the parietal or pineal eye *
Re236e Lacerta, small specimen, t.s. of the head
Re251c Testudo, turtle, blood smear
Re252c Testudo, heart t.s.
Re254c Testudo, lung t.s.
Re256c Testudo, oesophagus t.s.
Re258c Testudo, stomach t.s.
Re259c Testudo, small intestine t.s.
Re260c Testudo, large intestine t.s.
Re262c Testudo, liver t.s.
Re264d Testudo, thyroid gland t.s.
Re266d Testudo, ovary t.s.
Re267d Testudo, oviduct t.s.
Re268d Testudo, testis t.s.
Re270c Testudo, urinary bladder t.s.
Re272c Testudo, striated (skeletal) muscle l.s.
Re273c Testudo, striated (skeletal) muscle t.s.

AVES

- Av132b Gallus, wing or vane feather w.m.
- Av131b Gallus, down feather w.m.
- Av165b Humming bird, down feather w.m.
- Av133b Gallus, plume feather (filoplume) w.m.
- Av134c Gallus, wing and down feather on one slide w.m.
- Av1345d Bird feather composite slide: wing feather, down feather and filoplume on same slide w.m.
- Av103c Squamous epithelium, mucous membrane of duck, t.s.
- Av161e Herbst corpuscles, t.s. of beak of duck
- Av162e Woodpecker, tongue, t.s. showing touch corpuscles
- Av150e Singing bird, syrinx l.s.
- Av152c Crop of pigeon (Columba), t.s.
- Av156e Falco, falcon, horizontal sec. of the retina
- Av101g Head of newly hatched bird, sagittal l.s.
- Av102f Head of newly hatched bird, t.s. through region of eyes
- Av111c Gallus domesticus, chicken, blood smear
- Av118c Gallus, heart muscle l.s.
- Av112c Gallus, lung t.s. showing parabronchii
- Av1123c Gallus, trachea t.s.
- Av128c Gallus, spleen t.s.
- Av129d Gallus, thymus gland t.s.
- Av138d Gallus, adrenal gland t.s.
- Av130d Gallus, bursa fabricii t.s.
- Av121d Gallus, tongue with thick cornified layer t.s.
- Av113c Gallus, oesophagus t.s.
- Av114c Gallus, glandular stomach t.s.
- Av127d Gallus, gizzard t.s. showing thick cornified layer
- Av115c Gallus, small intestine t.s.
- Av136c Gallus, blind gut t.s.
- Av116c Gallus, liver t.s.
- Av122d Gallus, pancreas t.s.
- Av117c Gallus, kidney t.s.
- Av137c Gallus, mesonephric duct t.s.
- Av119d Gallus, ovary with developing eggs t.s.
- Av120d Gallus, testis showing spermatogenesis t.s.
- Av123d Gallus, brain t.s.
- Av1245c Gallus, cerebellum, t.s. routine stained
- Av1247f Gallus, cerebellum, t.s. silvered
- Av139d Gallus, anterior part of eye with eyelid and nictitating membrane sagittal l.s.
- Av140e Gallus, posterior part of eye with retina and pecten, sagittal l.s.
- Av155e Gallus, chicken, horizontal sec. of the retina
- Av135c Gallus, cockscomb t.s.
- Av124d Gallus, skin with developing feathers, horizontal l.s.
- Av125d Gallus, skin with developing feathers, vertical l.s.
- Av126d Gallus, unfeathered skin of foot, vertical l.s.
- Av211f Gallus embryology: chicken embryo, 36 hour t.s.
- Av212f Gallus embryology: chicken embryo, 48 hour t.s.
- Av213f Gallus embryology: chicken embryo, 72 hour t.s.

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