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SCHOOL BIOLOGY MICROSCOPE SLIDES

CAT.#	DESCRIPTION	QTY
4401d	Simple animal cells in sec. of salamander liver	
4402d	Mitosis, l.s. from Allium root tips showing all stages of mitosis	
4403c	Ranunculus, buttercup, t.s. of a typical dicot root	
4404e	Monocot and dicot stems, two t.s. for comparison	
4405c	Syringa, lilac, t.s. of a typical mesophytic dicot leaf	
4406c	Columnar epithelium, t.s of blind gut from rabbit	
4407e	Bone and hyaline cartilage, t.s.	
4408d	Striated muscles of mammal, l.s.	
4409d	Smooth muscles of mammal, l.s. and t.s.	
4410c	Lung of cat, t.s.	
4411c	Human blood smear	
4412d	Human body skin, l.s.	
4413f	Young mouse, sag. s. of entire specimen for all structures	
4431e	Hydra, fresh water polyp, t.s. with ectoderm and entoderm	
4432d	Carabus, ground beetle, gizzard	
4433c	Salivary gland of cat, t.s.	
4434c	Esophagus of cat, t.s.	
4435d	Fundic stomach of cat, t.s.	
4436c	Small intestine of cat, t.s. routine stained	
4437f	Small intestine of cat, t.s. blood vessels injected	
4438d	Appendix of human, t.s.	
4439c	Large intestine of cat, t.s.	
4440c	Liver of pig, t.s.	
4441d	Malpighian tubules of insect, t.s.	
4442c	Primordial kidney (mesonephros) of frog, t.s.	
4443c	Hind-kidney (metanephros) of rabbit, t.s.	
4444d	Kidney of mouse with pelvis, l.s.	
4445f	Kidney of mouse, t.s. injected with trypane blue (storage)	
4451e	Paramecium, silvered to show the neuroformative system	
4452d	Lumbricus, earthworm, t.s. with ventral nerve cord	
4453e	Insect brain, frontal l.s.	
4454e	Planaria, sec. through ocelli	
4455f	Haliotis, marine snail, pinhole camera eye l.s.	
4456e	Helix, snail, eye l.s. lens, cornea, pigmented and visual cells	
4457e	Alloteuthis, cuttlefish, camera eye l.s.	
4458e	Compound eye of insect, l.s.	
4459e	Young rat, head with eyes t.s. for general study	
4460d	Retina of cat, t.s. for finer detail of rods and cones	
4461e	Internal ear (cochlea) from guinea pig, l.s.	
4462e	Taste buds from tongue of rabbit, t.s.	
4463e	Peripheral nerve fibres of osmic acid fixed material showing Ranvier's nodes and medullary sheaths	
4464c	Spinal cord of cat t.s. showing large motor nerve cells	
4465c	Cerebellum of cat, t.s. routine stained	

4466f	Cerebrum of cat, t.s. silvered to show the pyramid cells
4471d	Ovary of cat, with follicles and corpus luteum t.s.
4472d	Testis of mouse, t.s. showing Leydig's cells
4473d	Adrenal (suprarenal) gland of cat, t.s. cortex and medulla
4474d	Pancreas of cat, t.s. showing islets of Langerhans
4475f	Thyroid gland showing normal function t.s.
4476f	Thyroid gland showing over-activity of the gland t.s.
4477f	Hypophysis (pituitary body) sagittal l.s. with adeno- and neurohypophysis
4481g	DNA and RNA stained in different colours, l.s. onion root tips
4482e	Lilium, young anthers, meiosis, early prophase stage, t.s.
4483e	Lilium, young anthers, meiosis, diplotene stage, t.s.
4484d	Lilium, ovary with embryosac t.s.
4485d	Capsella bursa pastoris, l.s. of embryos
4486h	Human chromosomes, spread in the metaphase stage, w.m.
4487g	Lamp brush chromosomes
4488e	Hydra with testis t.s., sexual reproduction
4489e	Hydra with ovaries t.s., sexual reproduction
4490f	Tapeworm (Taenia), mature proglottid w.m.
4491f	Ascaris embryology, sec. of uteri showing maturation of ova
4492e	Cockchafer (Melolontha), ovaries t.s.
4493d	Frog (Rana), testis t.s. showing spermatogenesis
4494f	Frog (Rana) embryology: four cell stage t.s.
4495f	Frog (Rana) embryology: morula stage l.s.
4496f	Frog (Rana) embryology: neurula stage t.s.
4497f	Chicken (Gallus) embryology: 24 hour t.s.
4498f	Chicken (Gallus) embryology: 72 hour t.s.
4499d	Mouse, uterus containing embryo t.s.
501e	Amoeba proteus, w.m. showing nucleus and pseudopodia
502e	Hydra, w.m. extended specimen to show foot, body, mouth, and tentacles
503c	Lumbricus, earthworm, typical t.s. back of clitellum showing muscular wall, intestine, typhlosole, nephridia etc.
504c	Daphnia and Cyclops, small crustaceans from fresh water
505d	Musca domestica, house fly, head and mouth parts (proboscis) w.m.
506b	Musca domestica, leg with clinging pads (pulvilli)
507c	Apis mellifica, honey bee, anterior and posterior wing
508c	Squamous epithelium, isolated cells from human mouth
509d	Striated muscle, l.s. showing nuclei and striations
510d	Compact bone, t.s. special stained for cells, lamellae, and canaliculi
511d	Human scalp, vertical section showing l.s. of hair follicles, sebaceous glands, epidermis
512c	Human blood smear, stained for red and white corpuscles
513d	Bacteria from mouth, smear Gram stained showing bacilli, cocci, spirilli, spirochaetes
514c	Diatoms, strewn slide of mixed species
515c	Spirogyra, vegetative filaments with spiral chloroplasts
516c	Mucor or Rhizopus, mold, w.m. of mycelium and sporangia
517c	Moss stem with leaves w.m.
518c	Ranunculus, buttercup, typical dicot root t.s., central stele
519c	Zea mays, corn, monocot stem with scattered bundles t.s.
520c	Helianthus, sunflower, typical herbaceous dicot stem t.s.
521c	Syringa, lilac, leaf t.s. showing epidermis, palisade parenchyma, spongy parenchyma, vascular bundle
522d	Lilium, lily, anthers with pollen grains and pollen sacs t.s.
523d	Lilium, ovary t.s. showing arrangement of ovules
524c	Allium cepa, onion, w.m. of epidermis shows simple plant cells with cell walls, nuclei, and cytoplasm
525d	Allium cepa, l.s. of root tips showing cell divisions (mitosis) in all stages, carefully stained
601d	Paramecium, nuclei stained
602c	Euglena, a common flagellate with eyespot

603c	Sycon, a marine sponge, t.s. of body
604e	Dicrocoelium lanceolatum, sheep liver fluke, w.m.
605c	Taenia saginata, tapeworm, proglottids of various ages t.s.
606d	Trichinella spiralis, l.s. of skeletal muscle showing encysted lar vae
607d	Ascaris, roundworm, t.s. of female in region of gonads
608b	Araneus, spider, leg with comb w.m.
609d	Araneus, spider, spinneret w.m.
610d	Apis mellifica, honey bee, mouth parts of worker w.m.
611b	Apis mellifica, hind leg of worker with pollen basket w.m.
612e	Periplaneta, cockroach, chewing mouth parts w.m.
613b	Trachea from insect w.m.
614b	Spiracle from insect w.m.
615d	Apis mellifica, sting and poison sac w.m.
616b	Pieris, butterfly, portion of wing with scales w.m.
617d	Asterias rubens, starfish, arm (ray) t.s. showing tube feet, digestive gland, ampullae
618e	Fibrous connective tissue of mammal
619c	Hyaline cartilage of mammal, t.s.
620e	Adipose tissue, stained for fat
621d	Smooth (involuntary) muscle l.s. and t.s.
622e	Medullated nerve fibres, teased preparation of osmic acid fixed material showing Ranvier's nodes
623c	Frog blood smear, showing nucleated red corpuscles
624d	Artery and vein of mammal, t.s.
625d	Liver of pig, t.s. showing well developed connective tissue
626c	Small intestine of cat, t.s. showing mucous membrane
627c	Lung of cat, t.s. showing alveoli, bronchial tubes
628c	Oscillatoria, a common blue green filamentous alga
629e	Spirogyra in scalariform conjugation, formation of zygotes
630c	Psalliota, mushroom, t.s. of pileus with basidia and spores
631c	Morchella, morel, t.s. of fruiting body with asci and spores
632d	Marchantia, liverwort, antheridial branch with antheridia l.s.
633d	Marchantia, archegonial branch with archegonia l.s.
634d	Pteridium, bracken fern, rhizome with vascular bundles t.s.
635d	Aspidium, t.s. of leaf with sori showing sporangia and spores
636e	Elodea, waterweed, stem apex l.s. showing meristematic tissue and leaf origin
637d	Dahlia, t.s. of tuber with inuline crystals
638b	Allium cepa, onion, w.m. of dry scale showing calcium oxalate crystals
639d	Pyrus, pear, t.s. of fruit showing stone cells
640c	Zea mays, corn, typical monocot root t.s.
641c	Tilia, lime, woody dicot root t.s.
642c	Solanum tuberosum, potato, t.s. of tuber with starch and cork cells
643c	Aristolochia, birthwort, one year stem t.s.
644c	Aristolochia, older stem t.s. shows secondary growth
645d	Cucurbita, pumpkin, l.s. of stem with sieve tubes, annular and reticulate vessels, sclerenchyme fibres
646d	Root tip and root hairs
647c	Tulipa, tulip, epidermis of leaf with stomata and guard cells w.m., surface view
648c	Iris, typical monocot isobilateral leaf, t.s.
649c	Sambucus, elderberry, stem showing lenticells and cork cambium, t.s.
650e	Triticum, wheat, grain (seed) sagittal l.s. with embryo and endosperm
701f	Trypanosoma gambiense, causing sleeping disease, blood smear
702f	Plasmodium berghei, malaria parasite, blood smear
703d	Radiolaria, strewn slide of mixed species
704d	Foraminifera, strewn slide of mixed species
705d	Obelia hydroid, w.m. of colony with hydrants and gonothecae
706d	Hydra, t.s. of body in different levels. Ectoderm, entoderm

707c	Planaria, typical t.s. through the body
708e	Apis mellifica, honey bee, head with compound eyes and brain t.s.
709d	Apis mellifica, abdomen of worker t.s., with intestine and nephridia
710e	Ctenocephalus canis, dog flea, adult w.m.
711d	Dermanyssus gallinae, chicken mite, adult w.m.
712d	Helix pomatia, snail, hermaphrodite gland (ovotestis), t.s. with developing ova and spermatozoa
713d	Mya arenaria, clam, gills t.s. and l.s. showing ciliated epithelium
714d	Branchiostoma lanceolatum (Amphioxus), typical t.s. of body with gills, liver, and gonads
715c	Bird feathers, w.m. of two types: wing or vane and down feathers
716e	Salamandra larva, sections from selected material showing mitotic stages in skin and other organs
717f	Chicken embryo, 48 hour, t.s. with neural tube and chorda
718d	Ovary of cat, t.s. with primary, secondary, and Graafian follicles
719d	Testis of mouse, t.s. showing spermatogenesis in all stages
720d	Cerebellum of cat, t.s. shows Purkinje cells
721c	Spinal cord of cat, t.s. showing white and grey matter, nerve cells
722d	Kidney of cat, t.s. through cortex and medulla
723d	Retina of cat, t.s. for detail of rods and cones
724e	Tongue of rabbit, t.s. of papilla foliata with abundant taste buds
725d	Bacillus subtilis, hay bacillus, smear with bacilli and spores
726d	Streptococcus lactis, milk souring organisms, smear showing chains
727e	Volvox, with daughter colonies and sexual stages, w.m.
728d	Fucus vesiculosus, brown alga, female conceptacle with oogonia t.s.
729d	Fucus vesiculosus, male conceptacle with antheridia t.s.
730c	Cladophora, green alga, branched filaments with multinucleate cells
731c	Claviceps purpurea, ergot, sclerotium t.s.
732d	Puccinia graminis, wheat rust, uredinia on wheat leaf t.s.
733d	Puccinia graminis, aecidia and pycnidia on barberry leaf t.s.
734b	Saccharomyces, yeast, budding cells w.m.
735d	Physcia, foliose lichen, thallus with symbiotic algae t.s.
736e	Fern prothallium, w.m. showing sex organs
737d	Equisetum, horse tail, strobilus with spores l.s.
738d	Lupinus, lupin, root nodules with symbiotic bacteria t.s.
739c	Euphorbia, spurge, stem with lactiferous ducts l.s.
740d	Pinus, pine, three sections of wood: transverse, radial, tangential
741d	Tilia, lime, three sections of wood: transverse, radial, tangential
742d	Elodea, waterweed, aquatic stem with primitive bundle t.s.
743d	Cucurbita, pumpkin, stem t.s. showing bicollateral bundles and sieve plates
744d	Fagus, beech, sun and shade leaves, two t.s. for comparison
745c	Nerium, oleander, xerophytic leaf with sunken stomata, t.s.
746d	Pinus, pine, male cone with pollen l.s.
747d	Pinus, female cone with ovules l.s.
748b	Pinus, mature pollen grains with wings w.m.
749f	Lilium, lily, t.s. of very young anthers showing meiotic stages of the pollen mother cells
750d	Taraxacum, dandelion, composite flower l.s.
751c	Ciliated epithelium, in t.s. of fallopian tube of pig
752d	Tendon of cow, l.s. showing white fibrous tissue, stained for fibres and cells
753f	Heart muscle, human, t.s. and l.s., branched fibres with central nuclei and intercalated discs
754c	Lymph gland of pig, t.s. showing lymphoid tissue
755c	Esophagus of cat, t.s. with stratified squamous epithelium, muscular layers
756d	Stomach of cat, t.s. through fundic region showing gastric glands
757d	Large intestine (colon), t.s. special stained for the mucous cells
758d	Pancreas of pig, sec. showing islets of Langerhans
759d	Thyroid gland of pig, sec. showing glandular epithelium and colloid
760d	Adrenal gland of cat, t.s. through cortex and medulla

761d	Sperm of bull (spermatozoa), smear
762e	Motor nerve cells, smear from spinal cord of cow showing w.m. of motor nerve cells and their processes
763f	Cerebrum, human, t.s. of cortex showing pyramidal cells and fibrous region
764d	Human skin from palm, v.s. showing cornified epidermis, germinative zone, sweat glands
765f	Distomum hepaticum (Fasciola), the beef liver fluke, w.m. and stained for general study of internal organs
766f	Taenia spec., tapeworm, w.m. of mature proglottids
767e	Culex pipiens, mosquito, head and piercing-sucking mouth parts of female, w.m.
768e	Culex pipiens, mosquito, head and reduced mouth parts of male, w.m.
769f	Cimex lectularius, bed bug, w.m. of adult specimen
770f	Mitochondria, in thin sec. through liver or kidney, special staining technique
771g	Golgi apparatus, t.s. through spinal ganglion, special staining technique
772d	Chloroplasts, in leaf of Elodea or Mnium, special stained
773c	Aleurone grains, in sec. of Ricinus endosperm
774f	Storage, section of liver or kidney, vital stained with trypan-blue to demonstrate storage in epithelial cells
775g	DNA in cell nuclei, demonstrated by Feulgen staining technique
776g	DNA and RNA, fixed and stained with methyl green and pyronine to show DNA and RNA in different colors
777f	Giant chromosomes from the salivary gland of Chironomus. Individual genes and puffs can be observed
778h	Human chromosomes, spread in the stage of metaphase, for counting chromosomes
779f	Meiotic and mitotic stages in sec. of crayfish testis. Nuclear spindles are present
780f	Maturation divisions in ova of Ascaris megalocephala, different stages, iron-hematoxylin stained
781f	Cleavage stages in ova of Ascaris megalocephala, iron- hematoxylin stained
782d	Escherichia coli, bacteria from colon, probably pathogenic, smear Gram stained
783d	Eberthella typhi, causing typhoid fever, smear from culture, Gram stained
784e	Tuberculous lung, t.s. of diseased human lung showing miliary tubercles in tissue
785e	Coal dust lung (Anthraxosis pulmonum), t.s. of human smoker's lung
786e	Liver cirrhosis of man caused by alcohol abuse, t.s. showing degeneration of liver cells
787e	Arteriosclerosis, t.s. of diseased human coronary artery showing sclerotic changes in the arterial wall
788e	Metastatic carcinoma (cancer) of human liver, t.s.
789e	Sea-urchin development (Psammechinus miliaris), composite slide with two cell, four cell and eight cell stages
790e	Sea-urchin development (Psammechinus miliaris), composite slide with morula, blastula and gastrula stages
791f	Frog embryology (Rana spec.), sec. through the blastula stage showing the blastocoel
792f	Frog embryology (Rana spec.), sag. sec. through young larva in the tail bud stage, with primordia of organs
793e	Leaf (needle) of fir (Abies), two t.s. of leaves, healthy and damaged by environmental influences (acid rain)
794e	Leaf of beech (Fagus), two t.s. of leaves, healthy and damaged by environmental influences (acid rain)
795d	Bacteria from waste-water, smear with many typical forms
796c	Nostoc, blue green alga, filamentous colonies within gelatinous sheaths
797e	Desmids (Desmidiaceae), strewn slide of various species
798c	Sphagnum, peat moss, w.m. of leaf showing chlorophyll-bearing and hyaline cells.
799c	Triticum, wheat, t.s. of stem of a gramineous plant with central pith and circular arrangement of bundles
800c	Salvia, sage, t.s. of a square stem with angular collenchyma

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