

PREPARED MICROSCOPE SLIDES

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.

ECOLOGY & ENVIRONMENTAL SCIENCE

- 7001e Amoeba proteus, ameba
- 7002c Ceratium hirundinella, dinoflagellates
- 7003c Euglena, green flagellate with eyespot
- 7004d Radiolaria, marine rhizopods
- 7005c Paramecium, nuclei stained
- 7006d Stylonychia, a common ciliate
- 7007b Spongilla, fresh water sponge, isolated spicules
- 7008d Hydra, w.m. or section
- 7009d Rotatoria, rotifers, mixed species
- 7010c Daphnia, water flea, a phyllopod
- 7011c Cyclops, a copepod
- 7012d Chironomus, gnat, larva w.m.
- 7013d Putrefaction causing bacteria from hay infusions
- 7014c Oscillatoria, a filamentous blue green alga
- 7015c Diatomeae, diatoms, mixed species
- 7016d Desmidiaceae, desmids, mixed species
- 7017c Spirogyra, green alga with spiral chloroplasts
- 7018d Eudorina, small colonies within gelatinous sheaths
- 7019c Cladophora, green alga, branched filaments
- 7020c Draparnaldia, main filaments and branchings
- 7021c Microcystis, irregular colonies
- 7022c Ulothrix, filamentous green alga with girdle-shaped chloroplasts
- 7023d Oedogonium, vegetative filaments
- 7024e Volvox, with daughter colonies and sexual stages
- 7025d Mesothaenium, rod-shaped desmids
- 7051d Arcella, shelled ameba
- 7052e Vorticella, a stalked ciliate
- 7053e Colpidium, a common holotrich ciliate
- 7054d Spongilla, fresh water sponge, t.s. showing channels
- 7055c Planaria, fresh water flat worm, t.s. of body
- 7056d Tubifex, a fresh water oligochaete
- 7057e Plumatella, moss animal, section of colony
- 7058c Cyclops, nauplius larva w.m.
- 7059d Culex pipiens, common mosquito, larva w.m.
- 7060d Sphaerotilus natans, bacteria from putrid water forming chains
- 7061c Nostoc, blue green alga with heterocysts
- 7062c Anabaena, filamentous blue green alga
- 7063c Gloeocapsa, small colonies within sheaths
- 7064c Rivularia, blue green alga with basal heterocysts
- 7065c Beggiatoa, a colourless alga showing lack of chlorophyll
- 7066c Zygnema, filamentous alga with stellate chloroplasts
- 7067d Cosmarium, desmid showing the typical isthmus
- 7068c Chlamydomonas, biflagellate alga
- 7069c Haematococcus, unicellular red algae
- 7070d Hydrodictyon, water-net
- 7071c Chlorella, unicellular green alga
- 7072d Dynobryon, a golden alga forming colonies
- 7073d Mixed plankton, strewn slide No. I
- 7074d Mixed plankton, strewn slide No. II
- 7075d Mixed plankton, strewn slide No. III

4511c Pine (*Pinus*), healthy leaves, t.s.
 4512c Pine (*Pinus*) leaves damaged by acid rain, t.s.
 4513c Fir (*Abies*), healthy leaves, t.s.
 4514c Fir (*Abies*), stem tip damaged t.s.
 4515c Beech (*Fagus*), healthy leaves t.s.
 4516c Beech (*Fagus*), t.s. of leaves with destroyed epidermis and chloroplasts
 4517d *Rhytisma acerinum*, tar spot of maples, consequence of single-crop farming
 4518d Early leaf fall, caused by thawing salt
 4519d Healthy lichen, indicator of clean air
 4520d Damaged lichen, caused by air pollution
 4521c Healthy wood of beech, t.s.
 4522d Wood destroyed by fungus
 4523d *Polyporus*, wood rot fungus, fruiting body t.s.
 4524d Root nodules of *Alnus*, with symbiotic bacteria
 4525d Spruce beetle (*Cryphalus picea*), larva t.s.
 4526c Wood with normal annual rings, t.s.
 4527c Wood with anomalous narrow annual rings caused by drought, t.s.
 4528d Bark with larval galleries of spruce beetle, t.s.
 4529d Pineapple-like gall on spruce caused by lice, t.s.
 4530d Gall nut on oak caused by insects, t.s.
 4541d Intestinal bacteria (*Escherichia coli*) from putrid water
 4542e Putrefactive bacteria (*Spirillum*) from sludge poor in oxygen
 4543d Putrefactive bacteria (*Sphaerotilus*) bacteria, forming long chains with sheaths
 4544d Sludge bacteria (*Methanobacterium*) causing sewer gas
 4545d Sulphur bacteria (*Thiocystis*)
 4546c Wasserbluthe (*Microcystis*), blue-green alga "blooming" in stagnant water
 4547c *Anabaena*, blue green algae, in eutrophic water
 4548c *Spirogyra*, filamentous green alga in nutrient-rich water
 4549d *Spirulina*, corkscrew-shaped algae occurring in bitter seas
 4550c *Chlamydomonas*, one-celled green alga in eutrophic water
 4551c *Cladophora*, green alga with branching filaments from moderately polluted water
 4552c Diatoms, mixed algae from scarcely polluted water
 4553c *Euglena*, common green flagellates occurring in stagnant eutrophic water
 4554d Ciliates, different species from nutrient-rich water
 4555d Rotifers (*Rotatoria*), small animals from putrid water
 4556d *Tubifex*, fresh water oligochaete, living in the sludge
 4557d *Carchesium*, bell-shaped stalked ciliate from moderately polluted water
 4558d Water mold (*Saprolegnia*), harmful to plants and animals
 4559d Skin of fish injured by chemicals, t.s.
 4560d Skin ulcer of an amphibian, t.s.
 4571d Acidophile soil bacteria, solution of heavy metals
 4572d Nitrite bacteria, forming harmful nitrogenous substances
 4573d Root of beech with ectotrophic mycorrhiza, t.s.
 4574d Root of birch with partly endotrophic mycorrhiza, t.s.
 4575d Root of lupin with symbiotic nitrogen fixing bacteria
 4576d Netted venation, portion of rotted deciduous leaf
 4577c Charlock (*Sinapis*), t.s. of stem. Green manure plant
 4578d Soil bacteria (*Bacillus megaterium*), smear
 4579d Hyphae of root fungi, t.s.
 4580d Lichen, indicator of clean air
 4581c Mushroom (*Xerocomus*), mycelium
 4582c Root of willow (*Salix*), planting protecting against erosion
 4583c Earthworm (*Lumbricus*) t.s., causing soil improvement
 4584d Springtails (*Collembola*), w.m.
 4585d Mite from forest soil, w.m.
 4586c Constituents of humous soil
 4587c Constituents of peaty soil
 4591c Pollen grains of different kinds of grass
 4592c Pollen grains of different deciduous trees
 4593c Pollen grains of different conifers
 4594b Mixed house dust
 4595c Dust mite from a living room
 4596b Spores of different fungi

4597b Wood powder
4598b Asbestos powder (cancerogenous)
4599b Talcum powder
4600b Crystals of washing-powder
4601b Polyamide fibres
4602b Nylon fibres
4603e Mucous membrane of human nose, t.s.
4604e Healthy human lung, t.s.
4605e Human lung injured with dust particles, t.s.
78501c Ilex, t.s. of leaf showing cuticula
78502d Aesculus, t.s. of leaf bud showing bud squama
78503c Fern, t.s. of subterraneous rhizome
78504c Beta, beet, t.s. of a subterraneous storage root
78505c Solanum, potato, t.s. of subterraneous tuber
78506c Allium, l.s. of a subterraneous bulb
78507d Ranunculus ficaria, t.s. of subterraneous tuber
78508c Taraxacum, dandelion, t.s. of tap root
78509d Dentaria, l.s. of germinal bulb
78510c Galium, w.m. of leaf showing climbing hairs
78511d Cucurbita, l.s. of stem showing sieve tubes
78512c Viscum album, t.s. of leaf
78513d Orchis, epiphytic, t.s. of aerial root
78514f Dischidia, t.s. of pitcher leaf showing root
78515c Rhizophora, mangrove, t.s. of adventitious root
78516c Philodendron (Araceae), t.s. of aerial root
78517c Liana, climbing plant, t.s. of root
78518d Cuscuta, dodder, t.s. of host showing haustorium
78519d Viscum album, mistletoe, l.s. showing parasitic root in host
78520d Orchis, t.s. of root showing endotrophic mycorrhiza
78521d Alnus, alder, t.s. of tuber showing actinomyces in symbiosis
78522d Drosera, w.m. of leaf showing glandular hairs
78523c Drosera, t.s. of leaf showing glandular hairs
78524c Pinguicula, t.s. of leaf showing gland cells
78525d Utricularia, w.m. of bladder
78526d Nepenthes, t.s. of pitcher showing glands
78527c Dionaea, Venus flytrap, t.s. of leaf
78528d Elodea, w.m. of a submersed leaf without stomata,
78529c Elodea, t.s. of leaf
78530c Nymphaea, t.s. of aquatic stem showing air vascular system
78531c Hippuris, t.s. of stem showing regular placed air chambers
78532c Nymphaea, t.s. of leaf showing air chambers, a typical floating leaf
78533c Potamogeton, t.s. of leaf
78534c Taxodium (Cypressaceae), t.s. of root for respiration
78535c Potamogeton, t.s. of aquatic stem showing air chambers
78536c Ruellia, t.s. of leaf showing raised stomata
78537c Polypodium (fern), t.s. of leaf showing modification of epidermis (water pit)
78538d Urtica, nettle, w.m. of stinging hairs (one cellular)
78539c Myosotis palustris, w.m. of leaf showing hairs for water reservoir
78540c Hedera, t.s. of an evergreen leaf
78541c Nerium, oleander, t.s. of leaf showing sunken stomata
78542c Dune grass, t.s. of rolled leaf
78543c Verbascum, t.s. of leaf showing branched hairs
78544b Elaeagnus, squama of leaf or stem, w.m.
78545c Orchis, epiphytic, t.s. of aerial root
78546d Aloe, t.s. of succulent leaf
78547c Sedum, t.s. of succulent leaf
78548c Pelargonium, t.s. of succulent root
78549c Cactus, t.s. of succulent stem
78550c Cactus, t.s. of succulent leaf
75701e Amoeba proteus, w.m.
75702d Arcella shells, w.m.
75703c Euglena viridis, w.m.
75704c Ceratium hirundinella, w.m.

75705d Paramecium, w.m.
 75706e Vorticella, freshwater, w.m.
 75707d Plankton showing Diffugia and Rotatoria
 75708e Hydra, w.m. (Pelmatohydra)
 75709d Freshwater sponge, w.m. of gemmulae
 75710c Daphnia, w.m. of freshwater flea
 75711c Cyclops, w.m.
 75712d Pandorina morum, colonies of green algae, w.m.
 75713e Volvox, w.m.
 75714c Chlamydomonas, green algae, w.m.
 75715d Hydrodictyon, water net, w.m.
 75716c Cladophora, branching filaments, w.m.
 75717c Oedogonium, w.m.
 75718d Planktonic algae, Eudorina, Pediastrum, Microcystis
 75719d Vegetative filaments, Spirogyra, Zygnema, Mougeotia
 75720e Desmids, various species
 75721d Diatoms stained for protoplasmatic structure
 75722d Batrachospermum, w.m. red alga
 75723c Chroococcus, w.m.
 75724c Anabaena, w.m.
 75725d Bacteria from putrefaction smear
 75801d Silicoflagellatae
 75802d Radiolaria, strewn slide of cleaned shells
 75803d Foraminifera, strewn slide of cleaned shells
 75804d Peridinium, marine dinoflagellates
 75805e Vorticella, marine ciliates
 75806d Noctiluca, a luminescent flagellate
 75807d Marine plankton, mixed species
 75808d Pluteus larvae of sea urchin
 75809e Eggs of sea urchin, different phases of development
 75810d Sagitta, transparent marine worm, w.m.
 75811d Caprella, a marine amphipode, w.m.
 75812e Zoea, development stage of a marine decapode crab, w.m.
 75813e Obelia, w.m. of medusa
 75814d Campanularia, w.m. of colony
 75815d Hydractinia, w.m.

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