

CUSTOM MICROSCOPE SLIDE SET

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BOTANY - LEAVES MICROSCOPE SLIDES

Typical Leaves in Comparison

CAT.#	DESCRIPTION	QTY
As4005e	Monocot and dicot leaf epidermis with stomata, two w.m. in one slide for comparison	
As4118d	Monocot and dicot leaves, two t.s. in one slide for comparison	
As4119e	Leaf types, composite slide of three t.s. through hydrophytic, mesophytic, and xerophytic leaves	

Leaf Epidermis and Stomata

CAT.#	DESCRIPTION	QTY
As411c	Tulipa, tulip, leaf epidermis with stomata w.m., showing large stomata and guard cells for general study	
As410c	Calla, leaf epidermis with stomata w.m.	
As4102d	Sedum, epidermis with stomata w.m.	
As4103d	Saccharum (blade), epidermis with stomata w.m.	
As4108d	Allium cepa, onion, leaf epidermis with stomata w.m.	
As4109d	Lilium, lily, leaf epidermis with stomata w.m.	
As4112c	Iris, leaf epidermis w.m. showing stomata in rows	
As4113d	Grass, leaf epidermis w.m. or horizontal sec. showing stomata of a gramineous plant	
As4114d	Saxifraga, leaf epidermis w.m. or horizontal sec. showing stomata without accessory cells	
As4115d	Begonia or Sedum, leaf epidermis w.m. showing scattered stomata with many accessory cells	
As4116d	Dianthus, leaf epidermis w.m. showing stomata with two accessory cells	
As4117d	Helleborus niger, leaf epidermis w.m. with stomata	
As448c	Solanum tuberosum, potato, leaf t.s. showing raised stomata	
As456c	Nerium, oleander, leaf with sunken stomata t.s., showing the typical structures of a xerophytic leaf	
As4953c	Ruellia, t.s. of leaf showing raised stomata	

Leaf Hairs and Emergences

CAT.#	DESCRIPTION	QTY
As420c	Elaeagnus, olive tree, scale-like stellate hairs w.m.	
As421c	Verbascum, mullein, branched leaf hairs w.m.	
As422c	Verbascum, leaf with branched hairs t.s.	
As464d	Urtica, stinging nettle, stinging hairs with poison ducts	
As471c	Pelargonium, geranium, t.s. of leaf with multicellular glandular hairs	
As478c	Nicotiana tabacum, tobacco, leaf with glandular hairs t.s.	
As4955c	Galium, w.m. of leaf showing climbing hairs	
As4642d	Aesculus hippocastanum, chestnut, leaf bud scales with colleteres t.s.	

Typical Monocot Leaves

CAT.#	DESCRIPTION	QTY
As412c	Zea mays, corn, monocot gramineous leaf t.s.	
As415c	Iris, typical isobilateral leaf t.s.	
As414c	Lilium, lily, leaf t.s. showing arm palisade cells	
As429c	Allium schoenoprasium, chive, t.s. of an unifacial folding leaf	
As4166d	Aloe, leaf t.s.	
As4799c	Canna indica, leaf t.s.	
As4962c	Festuca, grass, t.s. of leaf	

As418c	Galanthus, snowdrop, leaf t.s.
As4967c	Hyacinthus, t.s. of leaf
As4167d	Musa, banana, leaf t.s.
As4968c	Narcissus, daffodil, t.s. of leaf
As413c	Poa annua, meadow grass, leaf t.s.
As4172d	Saccharum, sugarcane, leaf t.s.
As4961c	Secale, rye, t.s. of stem enclosed in sheath leaves
As417c	Triticum, wheat, t.s. of leaf showing stomata
As4183c	Tulipa, tulip, t.s. of leaf

Typical Dicot Leaves

CAT.#	DESCRIPTION	QTY
As453c	Syringa, lilac, t.s. of a typical mesophytic dicot leaf for general study, showing all structures very clearly	
As4535c	Syringa, paradermal l.s. through all leaf layers	
As454c	Ligustrum, privet, t.s. of dicot leaf	
As4541c	Ligustrum, paradermal (horizontal) l.s. through all leaf layers	
As455d	Fagus, beech, sun and shadow leaves t.s. on same slide for comparison of the different structures	
As473d	Helleborus, t.s. of a typical mesophytic dicot leaf for general study, showing large cellular structures	
As476c	Helianthus, sunrose, t.s. of dorsiventral dicot leaf	
As4964c	Ranunculus, buttercup, t.s. of dicot leaf	
As489c	Asclepias, milkweed, leaf with lactiferous vessels t.s.	
As449c	Begonia, leaf t.s.	
As488c	Belladonna, deadly nightshade, leaf t.s.	
As4676c	Beta vulgaris, beet, leaf t.s.	
As4971c	Brassica, cabbage, t.s. of leaf	
As4787d	Camellia (Thea) sinensis, tea plant, leaf t.s.	
As4785c	Coffea arabica, coffee, leaf t.s.	
As4965c	Dictamnus, t.s. of leaf showing crystals	
As446c	Eucalyptus, an isobilateral foliage leaf t.s.	
As459c	Ficus elastica, India rubber plant, leaf with cystoliths t.s.	
As4912c	Gossypium, cotton, leaf t.s.	
As4958c	Hedera, ivy, t.s. of evergreen leaf	
As4782c	Lycopersicum, tomato, leaf t.s.	
As490c	Medicago sativa, alfalfa, leaf t.s.	
As4918c	Populus, poplar, leaf with calcium oxalate crystals t.s.	
As4944c	Quercus, oak, t.s. of leaf showing stomata	
As477c	Rosa, rose, leaf with several palisade layers t.s.	
As423c	Sagittaria, arrowhead, leaf t.s.	
As4792d	Vitis vinifera, grape, leaf t.s.	
As493d	Netted venation, portion of dicot leaf w.m. showing venation only	

Adaptation to Water: Hydrophytes and Hygrophytes

CAT.#	DESCRIPTION	QTY
As4155c	Elodea, t.s. of leaf showing the simple structure of an aquatic leaf	
As416d	Elodea, w.m. of leaf showing large chloroplasts	
As4946c	Calla palustris, t.s. of leaf of a typical marshy plant	
As4673c	Eichhornia, water hyacinth, aquatic leaf t.s.	
As4595c	Impatiens, hydrophytic foliage leaf t.s.	
As4948c	Lemna, duckweed, t.s. of leaf	
As4949c	Myosotis palustris, w.m. of leaf showing hairs for water reservoir	
As467c	Nymphaea, water lily, floating leaf of an aquatic plant with air chambers t.s.	
As425c	Potamogeton, pondweed, leaf t.s.	
As457d	Tropaeolum, nasturtium, showing hydathodes, w.m. or t.s.	
As419c	Vallisneria, tape grass, leaf of an aquatic plant t.s.	

Adaptation to Dry Habitat: Xerophytes

CAT.#	DESCRIPTION	QTY
As456c	Nerium, oleander, leaf with sunken stomata t.s., showing the typical structures of a xerophytic leaf	
As4165d	Agava, xerophytic leaf with thick epidermis t.s.	
As4567c	Ammophila, xerophytic leaf t.s.	
As475c	Calluna, ling, revolute leaves t.s.	
As4564d	Cistus, leaf of an evergreen xerophytic shrub t.s.	
As4492c	Clivia nobilis, leaf t.s. showing typical xerophytic thick epidermis	
As4752c	Erica, xerophytic leaf t.s.	
As4914c	Hakea, a proteacean, leaf t.s.	
As4563d	Ilex, holly, leaf t.s.	
As4959c	Sempervivum, t.s. of leaf for succulence	
As4565d	Larea tridentata, creosote bush, leaf of a desert plant t.s.	
As4566c	Lavandula, lavender, leaf with oil sacs, t.s.	
As4916d	Olea, olive tree, leaf t.s.	
As458c	Sedum, stonecrop, a typical succulent leaf t.s.	
As4969c	Sempervivum, t.s. of succulent leaf	
As4963c	Stipa capillata, t.s. of revolute grass leaf	

Adaptation to Unusual Modes of Nutrition

CAT.#	DESCRIPTION	QTY
As469c	Dionaea, Venus flytrap, t.s. of leaf with digestive glands	
As4957f	Dischidia, t.s. of pitcher leaf showing cauline root	
As462d	Drosera, sundew, leaf with glandular hairs w.m.	
As463c	Drosera, leaf with glandular hairs t.s.	
As4951c	Lathraea squamaria, t.s. of leaf without chloroplasts	
As470d	Nepenthes, pitcher plant, t.s. of pitcher with digestive glands	
As460c	Pinguicula, butterwort, leaf with glandular cells t.s.	
As4703d	Sarracenia, pitcher plant, leaf t.s.	
As465d	Utricularia, bladderwort, w.m. of bladder	
As466c	Utricularia, t.s. through leaves and bladders	
As4941d	Viscum album, mistletoe, t.s. of leaf showing chloroplasts	

Leaf Buds, Leaf Joints, Leaf Abscission

CAT.#	DESCRIPTION	QTY
As451c	Fagus, beech, leaf bud t.s. showing leaf development	
As452d	Fagus, beech, leaf bud l.s. showing leaf development	
As4524d	Aesculus hippocastanum, t.s. of leaf bud showing bud squama and embedded, folded leaves	
As474d	Mimosa pudica, sensitive plant, l.s. of leaf joint	
As485d	Robinia pseudacacia, black locust, leaflets with pulvini l.s.	
As487d	Aesculus, leaf base with leaf abscission l.s.	
As361c	Acer platanoides, maple, t.s. of petiole	

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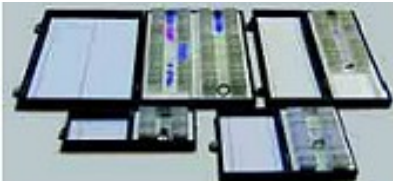
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