

CUSTOM MICROSCOPE SLIDE SET

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BOTANY - FLOWERS & FRUITS MICROSCOPE SLIDES

Microspore Development in Lilium

| CAT.# | DESCRIPTION | QTY |
|---------|---|-----|
| As521e | Lilium, anther t.s., very young with microspore mother cells and tapetal layers | |
| As522e | Lilium, anther t.s., early prophase for general study | |
| As523e | Lilium, anther t.s., late prophase for general study | |
| As5232e | Lilium, anther t.s., microspore mother cells in leptotene | |
| As5233e | Lilium, anther t.s., microspore mother cells in zygotene | |
| As5234e | Lilium, anther t.s., microspore mother cells in pachytene | |
| As5235e | Lilium, anther t.s., microspore mother cells in diplotene | |
| As5236e | Lilium, anther t.s., microspore mother cells in diakinesis | |
| As524f | Lilium, anther t.s., microspore mother cells showing metaphase and anaphase of first (heterotypic) division (meiosis) | |
| As5242f | Lilium, anther t.s., microspore mother cells showing telophase of first and prophase of second (homeotypic) division | |
| As525f | Lilium, anther t.s., microspore mother cells showing metaphase and anaphase of second (homeotypic) division (mitosis) | |
| As526f | Lilium, anther t.s., microspore mother cells in tetrad stage | |
| As5262e | Lilium, anther t.s., uninucleate (haploid) microspores after the separation of the daughter cells | |
| As5264f | Lilium, anther t.s., third division * | |
| As5266e | Lilium, anther t.s., binucleate mature pollen grains at the time of shedding with tube cell and generative cell | |
| As527d | Lilium, anther t.s. for general study showing pollen chambers and pollen grains | |
| As5271d | Lilium, anther l.s. for general study | |

Pollen Types

| CAT.# | DESCRIPTION | QTY |
|---------|---|-----|
| As528b | Lilium, mature pollen grains w.m. | |
| As577d | Tulipa, anthers with pollen and pollen chambers t.s. | |
| As625b | Helianthus, sunrose, pollen grains w.m. | |
| As6252b | Ambrosia, ragweed, pollen grains w.m. | |
| As626b | Corylus, hazel, pollen grains w.m. | |
| As6262b | Oenothera, pollen w.m. showing viscin filaments | |
| As6263b | Helianthus and Cucurbita, pollen grains w.m. | |
| As630c | Mixed pollen types, showing various forms of many different species | |

Fertilization

| CAT.# | DESCRIPTION | QTY |
|---------|--|-----|
| As529d | Lilium, t.s. of stigma before pollination | |
| As530e | Lilium, l.s. through pistil and stigma with pollen and pollen tubes | |
| As531e | Lilium, germinating pollen grains with pollen tubes w.m. | |
| As609e | Oenothera, evening primrose, stigma with pollen grains and pollen tubes l.s. | |
| As655e | Stigma of Eschscholtzia, w.m. showing penetrating pollen | |
| As656e | Stigma of Eschscholtzia, l.s. showing penetrating pollen | |
| As6571e | Vicia, bean, stigma and anthers, w.m. | |
| As583d | Fritillaria, nectary with glands t.s. | |

Megaspore Development in Lilium

| CAT.# | DESCRIPTION | QTY |
|---------|---|-----|
| As541e | Lilium, ovary t.s., very young, showing the developing tissue before the formation of the megaspore mother cell. Abundant mitotic figures can be observed | |
| As5412f | Lilium, ovary t.s., with megaspore mother cell | |
| As542f | Lilium, ovary t.s., showing uninucleate embryosac with megaspore mother cell | |
| As543g | Lilium, ovary t.s., uninucleate embryosac with first (heterotypic) division of megaspore mother cell * | |
| As544h | Lilium, ovary t.s., binucleate embryosac * | |
| As545k | Lilium, ovary t.s., showing second (homeotypic) division with two division figures * | |
| As546h | Lilium, ovary t.s., first four-nucleate stage * | |
| As547h | Lilium, ovary t.s., showing migration of three nuclei to the chalazal end of the embryosac while one nucleus remains in the micropylar end | |
| As5472k | Lilium, ovary t.s., showing third division after the three chalazal nuclei have fused * | |
| As548g | Lilium, ovary t.s., second four-nucleate stage, a vacuole can be seen between the nuclei | |
| As549i | Lilium, ovary t.s., showing fourth division * | |
| As550g | Lilium, ovary t.s., showing the stage of eight-nucleate embryosac for general study, not all nuclei present | |
| As551k | Lilium, ovary t.s., eight-nucleate embryosac showing all the nuclei in one or more serial sections * | |
| As5514k | Lilium, ovary t.s., embryosac showing double fertilization in one or more serial sections * | |

Ovaries, Formation of Ovules and Embryos (monocot)

| CAT.# | DESCRIPTION | QTY |
|--------|---|-----|
| As560d | Lilium, ovary t.s., showing arrangement of ovules and all structures for general study | |
| As561d | Lilium, ovary l.s., showing arrangement of ovules and all structures for general study | |
| As553f | Lilium, ovary t.s., early embryonic stage | |
| As554f | Lilium, ovary t.s., mature embryo | |
| As555f | Lilium, ovary t.s., mature seed with embryo and endosperm | |
| As571d | Tulipa, tulip, t.s. of ovary showing arrangement of ovules and all structures for general study | |
| As572d | Tulipa, l.s. of ovary showing arrangement of ovules | |
| As573d | Tulipa, l.s. of ovary showing development of embryos | |
| As574d | Iris, t.s. of ovary showing arrangement of ovules | |
| As575e | Iris, t.s. of ovary showing later stage of embryo and endosperm | |
| As582d | Fritillaria, fritillary, ovary with embryosac t.s. | |
| As584d | Hyacinthus, ovary t.s. | |
| As586d | Epipactis, orchid, ovary with ovules t.s. | |
| As564d | Ovary, t.s. showing orthotropic attachment of ovules | |
| As565d | Ovary, t.s. showing anatropic attachment of ovules | |
| As566d | Ovary, t.s. showing kampylotropic attachment of ovules | |
| As568s | Ovary types, composite slide with four t.s. through various typical types of ovaries | |

Ovaries, Formation of Ovules and Embryos (dicot)

| CAT.# | DESCRIPTION | QTY |
|---------|---|-----|
| As662d | Helleborus, l.s. of atrope ovary | |
| As664d | Hyoscyamus, t.s. of young ovary | |
| As665d | Hyoscyamus, t.s. of older ovary | |
| As663d | Impatiens, t.s. of ovary | |
| As615d | Lathraea, toothwort, ovary of a parasitic plant t.s. | |
| As6151d | Lathraea, t.s. of young ovary | |
| As6152d | Lathraea, t.s. of elder ovary | |
| As614d | Monotropa, Indian pipe, ovary t.s. with developing embryosacs | |
| As616d | Rosa, rose, ovary t.s. | |
| As6132d | Solanum, potato, t.s. of ovary with formation of embryos | |
| As619d | Capsella bursa pastoris, shepherd's purse, l.s. of ovule with embryos in situ for general study | |
| As6192f | Capsella, l.s. of embryo in precotyledon stage | |
| As6193f | Capsella, l.s. of embryo in early cotyledon stage | |
| As6194f | Capsella, l.s. of embryo in later cotyledon stage | |

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|---------|---|
| As6195f | Capsella, l.s. of embryo with curving cotyledons (mature) |
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Flowers and Floral Diagrams (monocot)

| CAT.# | DESCRIPTION | QTY |
|---------|---|-----|
| As501e | Monocot and dicot flower buds t.s. on same slide for comparison | |
| As511d | Lilium candidum, lily, t.s. of flower bud showing floral diagram of a monocot | |
| As512d | Lilium, l.s. of flower bud | |
| As653d | Galanthus, snowdrop, t.s. of flower | |
| As5778d | Secale, rye, t.s. of a typical gramineous flower | |
| As5798d | Zea, t.s. of male flower | |
| As588d | Anthurium, flamingo plant, pedicel with flowers t.s. | |
| As590e | Arum maculatum, cuckoopint, l.s. of flower, insect trap | |
| As657d | Arum maculatum, t.s. of flower bud showing ovary | |

Flowers and Floral Diagrams (dicot)

| CAT.# | DESCRIPTION | QTY |
|---------|--|-----|
| As651d | Bellis, l.s. of a composite flower bud | |
| As652d | Caltha palustris, l.s. of flower | |
| As658d | Cheirantus, wallflower, t.s. of flower bud with marginal-parietale placentation | |
| As593d | Corylus avellana, hazel, diclinous male flower l.s. | |
| As594d | Corylus avellana, diclinous female flower l.s. | |
| As6551d | Cucurbita, pumpkin, t.s. of female flower | |
| As654d | Linum, flax, t.s. of flower | |
| As601d | Lycopersicum, tomato, t.s. of flower bud shows floral diagram and axile placentation | |
| As602d | Lycopersicum, l.s. of flower bud | |
| As6521d | Magnolia, t.s. of flower bud showing anthers with microspore mother cells | |
| As606d | Papaver, poppy, t.s. of flower shows parietal placentation | |
| As607d | Papaver, poppy, t.s. of older flower, formation of embryos | |
| As599d | Pyrus malus, apple, flower bud with hypogynous ovary l.s. | |
| As6561d | Primula, primrose, t.s. of flower | |
| As600d | Prunus avium, cherry, flower bud with perigynous ovary l.s. | |
| As595d | Ranunculus, buttercup, l.s. of flower | |
| As659d | Rhododendron, t.s. of flower showing bud scales | |
| As603d | Ribes, currant, l.s. of flower bud | |
| As6522d | Senecio, t.s. of a composite flower | |
| As613d | Solanum tuberosum, potato, t.s. flower bud for floral diagram | |
| As604d | Taraxacum, dandelion, l.s. of composite flower with tubular florets and ligulate florets | |
| As605d | Taraxacum, t.s. of composite flower | |

Simple Fruits

| CAT.# | DESCRIPTION | QTY |
|---------|--|-----|
| As576d | Iris, t.s. of mature seed | |
| As639d | Cruzifera sp., mustard or other, t.s. of silique with seed | |
| As627c | Cocos nucifera, coconut, endosperm t.s. | |
| As631d | Lycopersicum, tomato, young fruit t.s. | |
| As632d | Prunus domestica, plum, young drupe (stone fruit) t.s. | |
| As634d | Juglans regia, walnut, young drupe (stone fruit) t.s. | |
| As6375d | Corylus avellana, hazelnut, young stone fruit t.s. | |
| As640d | Citrus, lemon, young fruit t.s. | |
| As644d | Aesculus hippocastanum, chestnut, young fruit l.s. | |

Aggregate Fruits

| CAT.# | DESCRIPTION | QTY |
|--------|---------------------------|-----|
| As596d | Ranunculus, l.s. of fruit | |

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|---------|--|
| As597d | Ranunculus, t.s. of fruit |
| As633d | Pyrus malus, apple, young pome t.s., a fleshy, many seeded fruit |
| As6165d | Rosa, syncarpous fruit l.s. |
| As641d | Rubus idaeus, raspberry, young aggregate fruit l.s. |
| As642d | Fragaria, strawberry, young aggregate fruit l.s. |
| As6035d | Ribes, l.s. of a simple berry fruit |
| As643d | Morus, mulberry, young multiple fruit l.s. |
| As645e | Ficus carica, fig, young fruit t.s. |

Seeds

| CAT.# | DESCRIPTION | QTY |
|---------|--|-----|
| As578d | Triticum, wheat, grain (seed), t.s. showing embryo and endosperm | |
| As579e | Triticum, grain (seed), sagittal l.s. showing embryo and endosperm | |
| As580d | Zea mays, corn, grain (seed) l.s. showing embryo and endosperm | |
| As6641d | Zea mays, young corn cob t.s. | |
| As5809e | Zea mays or Triticum, germinating seed l.s. | |
| As581d | Secale, rye, grain (seed) t.s. | |
| As6621d | Asparagus, t.s. of seed | |
| As585d | Hyacinthus, mature seed t.s. | |
| As623d | Helianthus, sunflower, t.s. of achene fruit | |
| As638d | Phaseolus, bean, t.s. of pod showing pericarp and seed | |
| As622d | Tropaeolum, nasturtium. semen (seed) t.s. | |
| As635d | Amygdalus, almond, endosperm t.s. | |
| As636d | Myristica, nutmeg, endosperm t.s. | |
| As661c | Ricinus, t.s. of seed showing aleurone grains in endosperm with cotyledons | |
| As628d | Juglans, walnut, mesocarp with stone cells t.s. | |
| As629b | Populus, poplar, hairs from seed w.m. | |

(All Fields Required)

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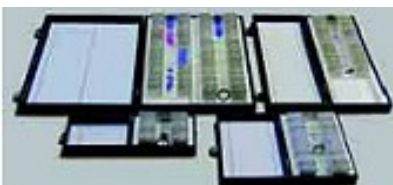
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2. Very strong hardwood cases, first-class workmanship, colourless varnish finish with brass hinges and lock, with numbered retainers to hold the slides, lining of sponged material. This is the most expensive box. As an example, the price of this box to hold 25 microscope slides is \$24.00.



3. Flat display cases constructed from strong cardboard with individual cut outs. As an example, the price of this box to hold 20 microscope slides is \$17.00.

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4. Solid, pile up boxes with serrated retainer strips and transparent cover. This is the cheapest box. As an example, the price of this box to hold 25 microscope slides is \$4.50.

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