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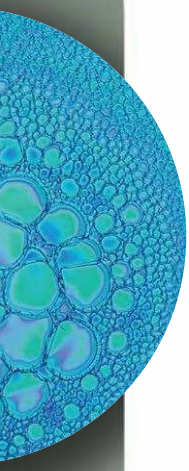
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# VWR VistaVision™ Upright Compound Microscopes with Planachromatic or Achromatic Objectives



Upright compound microscopes feature exceptional contrast and resolution, brilliant uniform illumination, and highly durable mechanical elements. The viewing head is of the Siedentopf design with single diopter adjustment. The 6V, 20W Koehler illumination provides uniform intensity and the 1.25 Numerical Aperture (N.A.) Abbe condenser with iris diaphragm allows precise centering of the light path. Four-function focusing includes focus stop to protect slides/specimens and tension adjustment to prevent slippage.

Microscopes with planachromatic or achromatic objectives are ideal for research settings. Their large frames provide a stable, vibration-free base, facilitating viewing and image documentation. A large, coaxial mechanical stage with precise 2.0µm graduations, ultra-low controls, and a five-position reverse pitch objective turret make it easy to load slides and locate specimens. The planachromatic objectives provide sharp, flat images to the periphery of the field of view, minimizing spherical and chromatic aberrations. The achromatic objectives are ideal for samples like liquids and IC wafers that require a longer working distance. Microscopes are designed for long hours of observation without fatigue.

All microscopes are supplied with 4x, 10x, 40xR, and 100xR (oil) objectives. The 40x and 100x oil objectives feature a retractable lens. The N.A. is 0.10 for 4x objectives, 0.25 for 10x objectives, and 0.65 for the 40xR and 100xR (oil) objectives.

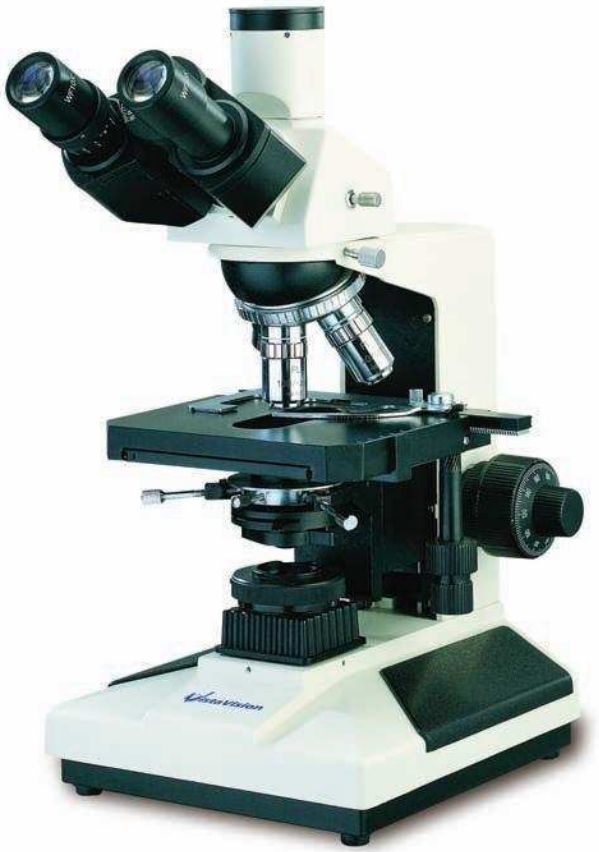
| Working Distance | Planachromatic | Achromatic |
|---|---|---|
| 4x Objective: | 17 mm | 17 mm |
| 10x Objective: | 8 mm | 6.6 mm |
| 40xR Objective: | 0.4 mm | 0.57 mm |
| 100xR Objective: | 0.25 mm | 0.19 mm |

| Objective | Optical Type | Cat. No. | Each |
|---|---|---|---|
| **Microscopes with Binocular Head** | | | |
| Planachromatic | Brightfield | 82026-616 | 1642.56 |
| Planachromatic | Phase Contrast | 82026-618 | 3551.15 |
| Achromatic | Phase Contrast | 82026-620 | 3084.22 |
| **Microscopes with Trinocular Head** | | | |
| Planachromatic | Brightfield | 82026-624 | 2222.54 |
| Planachromatic | Phase Contrast | 82026-626 | 3837.47 |
| Achromatic | Phase Contrast | 82026-628 | 3345.07 |
| **Eyepieces** | | | |
| 10X Superwidefield 20mm* | — | 82026-473 | 74.13 |
| 15x Widefield | — | 82026-483 | 67.44 |
| 20X Widefield | — | 97010-038 | 52.25 |

## Objectives

| Magnification | For Use With | Cat. No. | Each |
|---|---|---|---|
| **Achromatic Phase Contrast** | | | |
| 10x | 82026-620, -628 | 82026-525 | 135.40 |
| 20x | 82026-620, -628 | 82026-527 | 159.22 |
| 40xR* | 82026-620, -628 | 82026-529 | 170.02 |
| 100xR, Oil* | 82026-620, -628 | 82026-523 | 192.12 |
| **Planachromatic Brightfield** | | | |
| 4x* | All | 82026-553 | 87.06 |
| 5x | 82026-616, -624 | 97010-054 | 54.80 |
| 10x* | 82026-616, -624 | 82026-547 | 136.25 |
| 20x | 82026-616, -624 | 82026-549 | 188.78 |
| 40xR* | 82026-616, -624 | 82026-551 | 211.72 |
| 60x, Oil | 82026-616, -624 | 82026-555 | 188.73 |
| 100xR, Oil* | 82026-616, -624 | 82026-545 | 235.52 |
| **Planachromatic Phase Contrast** | | | |
| 10x* | 82026-618, -626 | 82026-533 | 185.34 |
| 20x | 82026-618, -626 | 82026-535 | 266.81 |
| 40xR* | 82026-618, -626 | 82026-537 | 258.01 |
| 100xR, Oil* | 82026-618, -626 | 82026-531 | 361.86 |

*Included with microscope



## Accessories

The hard case protects upright compound microscopes. Dimensions: 46.5 x 28 x 24cm ($18^{5}/_{16}$ x 11 x $9^{15}/_{32}$"). Color: black. Enhance color and contrast of some specimens with color filters. The polarized light kit is equipped with a polarizer and an analyzer that allow analysis of specimens through birefringence or double refraction, revealing both physical details and refraction characteristics. Ideal for optically asymmetrical substances such as cancerous and precancerous tissues, organic acids, amino acids, neurotransmitters, and other biological and medical agents and compounds.

| Description | For Use With | Cat. No. | Each |
|---|---|---|---|
| Bulb, Halogen, 20W* | All | 82026-583 | 6.82 |
| Camera Adapter, 0.4x | 82026-624, -626, -628 | 97010-072 | 60.16 |
| Camera Adapter,1x | 82026-624, -626, -628 | 97010-074 | 22.36 |
| Camera, DV-2B | All | 82030-634 | 782.37 |
| Camera, DV-2C | All | 97010-076 | 1413.55 |
| Dust Cover | All | 82026-466 | 17.49 |
| Eyecups For 23.2 mm Eyepieces | All | 82026-468 | 1.06 |
| Filter, Blue* | All | 82026-452 | Pk. 100/ 8.73 |
| Filter, Green* | All | 82026-494 | Pk. 100/ 8.81 |
| Filter, Clear Frost* | All | 82026-492 | Pk. 100/ 8.81 |
| Ocular Micrometers, 10 mm, 100 Divisions, 19 mm Diameter | All | 82026-500 | 62.05 |
| Oil Immersion Darkfield Condenser | All | 82026-458 | 210.59 |
| Phase Contrast Upgrade Kit- Achromatic | All | 82026-568 | 916.32 |
| Phase Contrast Upgrade Kit-Planachromatic | All | 82026-570 | 1292.88 |
| Polarized Light Kit | 82026-616, -624 | 82026-456 | 42.96 |
| Stage Micrometer Calibration Plate, Metric | All | 82026-613 | 45.72 |
| Stage Micrometer Calibration Plate, English | All | 82026-611 | 45.72 |

*Included with microscope



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# VWR VistaVision™ Upright Compound Microscopes with Planachromatic or Achromatic Objectives

Standard Part
Optional Part



USB Camera
82030-634



USB Camera
97010-076

Camera adapter not needed



WF10X/20
82026-473



WF15X/11
82026-483



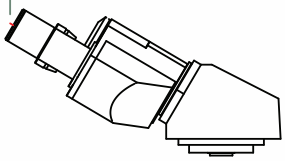
WF20/11
97010-038



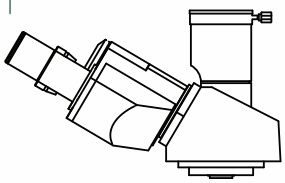
0.4X C-Mount
camera adapter
97010-072



1X C-Mount
Camera adapter
97010-074



Siedentopf
Binocular Head
82026-616, 618, 620



Siedentopf
Trinocular Head
82026-624, 626, 628



ACR PC 10X
82026-525



ACR PC 20X
82026-527



ACR PC 40X
82026-529



ACR PC 100X
82026-523



PL PHC 10X
82026-533



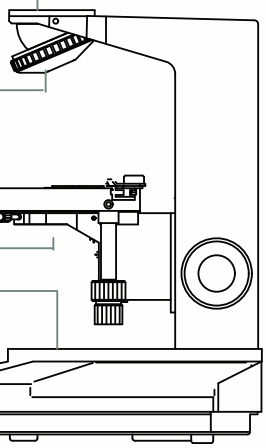
PL PHC 20X
82026-535



PL PHC 40X
82026-537



PL PHC 100X
82026-531





4X Plan
82026-553



5X Plan
97010-054



10X Plan
82026-547



20X Plan
82026-549



40X Plan
82026-551



60X Plan
82026-555



100X Plan
82026-545



5-Position N.A.1.25
Phase Contrast Turrent condenser



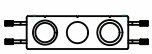
N.A.0.9/1.25
Abbe Condenser



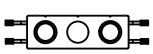
Oil Condenser
Darkfld 1.35
82026-458



Condenser



3-Position Phase Silder
(10X/20X)



3-Position Phase Silder
(40X/100X)



Blue Filter
82026-452



Green Filter
82026-494



Clear Frost Filter
82026-492



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