



# LABORATORY LINES

## BIOLOGICAL MICROSCOPE



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# Kalstein®

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OUR SERVICES

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 **Kalstein**<sup>®</sup>  
**Binocular Microscope**  
YR0243



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## Binocular Light Microscope

**Model YR0243**



### Description:

- ✓ Universal Infinity Optical System, Anti-fungus coated Optical system
- ✓ Seidentopf Binocular Head
- ✓ Infinite Plan Achromatic Objective, Total Magnification: 40X-1000X
- ✓ Ceramic Surface Mechanical Stage
- ✓ Kohler Illumination Halogen 12V/20W
- ✓ Universal power supply 100-240V, 50/60Hz

### Optional:

- ✓ Photo Attachment
- ✓ Video Attachment
- ✓ Polarization Set
- ✓ Kohler Illumination
- ✓ Phase Contrast Kit
- ✓ Dark Field Condenser

| Model                     | YR0243  | YR0244 |
|---------------------------|---|--------|
| Optical System            | Universal Infinity System, Anti-Fungus Coated Optical System  |        |
| Viewing Head              | 30° Inclined Seidentopf Binocular Observation Facility, 360° rotatable, Interpupillary 48-75mm  |        |
| Eyeiece                   | Wide Field EW10X, F.N. 20mm, Tube Diameter 30mm   |        |
| Nosepiece                 | Backward Quadruple revolving nosepiece with positive click stops  |        |
| Objetive                  | Plan-Achromat Objective (Anti-Fungus)   |        |
|                           | 4X, N.A. 0.10   |        |
|                           | 10X, N.A. 0.25  |        |
|                           | 40X, N.A. 0.65 (Spring)   |        |
| Stand                     | Cast alloy aluminum   |        |
|                           | 100X, N.A. 1.25 (Spring, Oil)   |        |
| Condenser                 | Abbe Condenser N.A. 0.9/1.25 bright field, on a rack and pinion with iris diaphragm   |        |
| Focusing System           | Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm; with adjustable tension control and upper limit stop to prevent accidental damage to slides; all metal gears, fine focus gear. |        |
| Stage                     | Ceramic Surface Mechanical Stage with focus Lock and low drive control.   |        |
| Illumination              | Koehler Illumination, Halogen Lamp 12V/20W  |        |
| Power Supply              | Universal power supply 100-240V, 50/60HZ  |        |
| Accessories               | Immersion Oil, Dust Cover and Operation Manual<br>Filter, spare 12V/20W Halogen bulb, screwdrivers, fuse and power cord   |        |
| Package                   | Styrofoam + Paper Box   |        |
| Phase Contrast Attachment | Phase Contrast Condenser, Phase Contrast Objective 10X, 40X, 100X, Centering Telescope, Grenn Filter  |        |



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## Binocular Light Microscope

Model YR0243



### Technical Characteristics:

- ✓ Stand: Made mostly of metal; wide base.
- ✓ Bilateral macrometric movement and micrometric movement.
- ✓ Revolver: with 4 objectives.
- ✓ Platen: With removable sheet clamp and coaxial movement mechanism for the X and Y axes.
- ✓ Condenser: centerable, guide for fitting accessories for phase contrast and/or dark field.
- ✓ Lighting: LED lamp.
- ✓ Continuous regulation of light intensity.
- ✓ Binocular tube: 360° rotatable, inclined, with individual interpupillary distance adjustment over a wide range.
- ✓ Eyepieces: 2 Eyepieces, focusable for use with or without glasses.
- ✓ Protective eyepiece rubbers for use with glasses and against reflections of external light.
- ✓ Electrical connection: 230 -220V / 50-60 Hz. With power cable according to CEE 7/4 standard Schuko type
- ✓ FDA and CE Certificate.
- ✓ General Quality Standard ISO 13485.



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**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses and mirrors, which form

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
Read this ARTICLE NOW

**What is the importance of the laboratory refrigerator?**

refrigerator is a device that is one of the most common pieces of equipment used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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**Article of the week:**  
What is the importance of the laboratory refrigerator?

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