



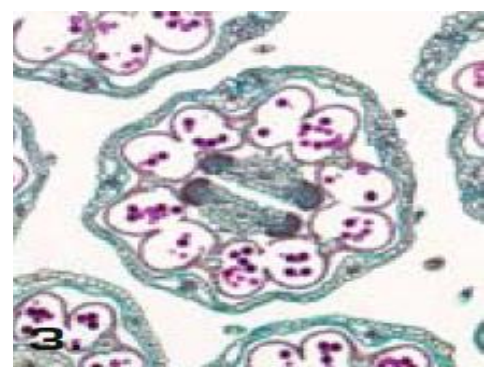
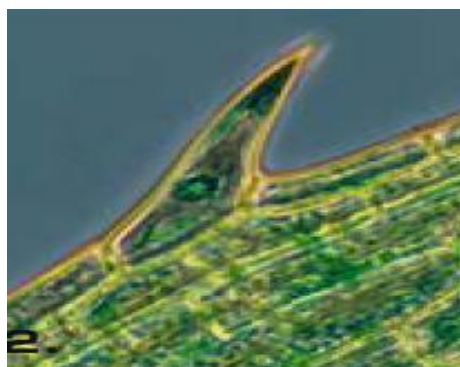
Ray Wild Limited Company  
Germany

[www.Raywild.de](http://www.Raywild.de)

We focus on high quality products with competitive prices and after sales service

## Slope Series

### Infinity Corrected Laboratory Microscope





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## Laboratory Microscope

Slope Microscope offers excellent image clarity with the advantages of infinity corrected optics for transmitted light applications. High quality infinity corrected objectives provide sharp, crisp images while Köhler illumination offers an image resolution usually found on more expensive microscopes.

A modern design ensures a comfortable and ergonomic viewing position with all controls easily to hand, yet robust enough to withstand daily use in a busy laboratory.

## Viewing Heads

This type of microscope is available with a choice of binocular and trinocular viewing heads, with eyepiece tubes inclined at 30° and rotates 360° for maximum comfort. Eyepiece tubes are fitted with dioptre adjustment to ensure parfocality at any interpupillary distance from 55 mm to 75mm. The trinocular viewing head can be fitted with a video 'C' mount adapter for mounting digital or video cameras. The trinocular head has a sliding prism mechanism to allow the user a choice of either viewing through the eyepieces or split viewing (50% camera / 50% eyepieces). Standard eyepieces are 10x wide field with a 22mm field of view.

## Graduated Mechanical Stage

Smooth and precise movement of the specimen is assured with a graduated mechanical stage. The stage provides a travel range of 80mm x 50mm travel with right-hand, drop down coaxial controls. The large stage (150mm x 150mm) is located on ball bearing runners to provide reliable, smooth and precise movement. Each axis has a vernier scale for exact repeat location.

The slide is held in place by a sprung loaded clamp mechanism and is very accessible. Two standard 3" x 1" slides can be accommodated simultaneously.

## Quality Optics

Infinity corrected optics system with antifungal treatment are designed and manufactured to provide high quality images, offering advanced optical technology on a routine microscope. The objectives are parfocal and parcentred, minimising refocusing of the image. The majority of objectives (20x and higher) are spring loaded to prevent specimen damage. A focusin g Abbe condenser(N.A. 1.25) with filter tray provides Köhler illumination.





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### Quadruple Reversed Nosepiece

This type of microscope is inward-facing nosepiece is mounted on a precision ball bearing mechanism with positive détente stops to yield precise objective location. The reverse nosepiece gives a clear view and access to the specimen

### Precise Focusing Mechanism

The focusing mechanism has coaxial coarse and fine controls, plus tension adjustment on the coarse focus scale value : 0.002mm. The fine focus will increment throughout the coarse focusing range: 30mm allowing precise and accurate focusing at any position. There is a focus stop to prevent collisions between objectives and specimens.

### Köhler Illumination System

A pre-centred, 6V/30W or 3W illuminator LED is mounted in the base of the microscope and a light intensity control is easily reached on the side of the instrument.

A focusing substage (Abbe) condenser with field iris diaphragm provides flat, even illumination of the sample across the whole field of view. A swing out daylight filter gives comfortable "white" Illumination.

### Microscope Stand and Base

This type of microscope is ergonomically designed for operator comfort. The microscope has a robust metal body which will withstand the rigors of daily use and antifungal treatments.

### Range of Accessories

Phase Contrast objectives are available for the microscope offering a quick and useful method for the examination of live micro organisms and cells. The Phase Contrast kit includes high quality, infinity corrected 10x, 20x, 40x and 100x objectives, centring telescope and filters. Dark ground illumination is also available using the dark ground condenser with the standard objectives.





## Photomicrography



The trinocular head on the microscope can utilise a standard C-mount adapter. This permits the addition of many different video and digital cameras for a range of applications including image analysis, archiving and documentation. For teaching applications, the addition of a video camera and monitor enable group viewing of specimens under the microscope.

Dedicated microscope digital cameras typically cost more for less resolution, but they do have advantages for certain applications. They typically allow for more precise software control over exposure, gain, gamma, color, etc. Some are also specialized for low-light applications, particularly fluorescence imaging. Those normally have a cooled CCD sensor for long exposure times with less noise than a non-cooled or CMOS sensor. They also may include some software features specifically for microscopy, like background shading correction and / or simple calibration and measuring features. They usually integrate better with image analysis software.

<b>Viewing head</b>	<ul style="list-style-type: none"> <li>- Slope ( Compensation Free Binocular Head (48mm-75mm) Inclined at 30° )</li> <li>- Slope ( Compensation Free Trinocular Head (48mm-75mm) Inclined at 30° )</li> </ul>
<b>Eyepiece</b>	- WF 10X / 20m - WF 10X / 22mm
<b>Objective</b>	<ul style="list-style-type: none"> <li>- Infinity semi plan achromatic objectives 4X , 10X , 40X (s) , 100X , (s) oil</li> <li>- Infinity plan Achromatic objectives 4X , 10X , 40X (s) , 100X , (s) oil</li> </ul>
<b>Stage</b>	- Double layers mechanical stage 150mmx150mm Moving range 80mmx50mm
<b>Condenser</b>	- N.A.1.25 Abbe Condenser with iris diaphragm And filter
<b>Focusing</b>	<ul style="list-style-type: none"> <li>- Coaxial coarse &amp; fine focusing adjustment Fine focusing scale value 0.002mm</li> <li>Focusing Range : 30mm</li> </ul>
<b>Light source</b>	<ul style="list-style-type: none"> <li>- Halogen bulb 6V20W or 12V/30W, AC 220V/110V Adjustable light source with Kohler illumination</li> <li>- Illumination system: LED fabric optic illuminator, long lifetime, high intensity, low power consumption,</li> </ul>
<b>Optional</b>	<ul style="list-style-type: none"> <li>- Eyepiece : WF16x、WF20x、P16x</li> <li>- Infinity plan Achromatic Objective: 2x、20x、60x(s)、</li> <li>- Phase contrast Infinity plan Achromatic Objective 10x、20x、40x, (s) 60x(s), 100xOil</li> <li>-, Demonstration(Teaching) Head Dark field and Phase contrast device</li> <li>- 10.0Mega、5.0Mega、3.0 Mega pixels CMOS Digital camera eyepiece</li> <li>- Photography attachment and CCD Adapter 0.5x、0.57x、0.75x</li> </ul>