



# LABORATORY LINES

## MICROSCOPES



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## Binocular Laboratory Microscope

### Model YR0254



#### Product Description

Its classification is related to its uses and the type of laboratory. In this case, we present you the model Zoom Stereo Microscope YR0254. The best option for you and your laboratory. A stereo microscope provides a lower magnification than compound microscopes. This instrument is also known as a dissecting microscope. This type of microscope magnification usually ranges from 5x to 80x and the images are in three dimensions rather than a flat image.

#### This type of microscope

It is a variant of the common optical microscope, which is designed for the observation of a sample at low magnification. In these cases, the operator uses the light reflected from the surface of an object instead of transmitting it through it. This device uses two separate optical paths that produce a three-dimensional view of the sample being examined. Among the uses of this device, there is the study of solid samples, close work such as dissection, microsurgery and forensic engineering. Another interesting fact about stereo microscopes is that they are essential tools in the field of entomology.

In most cases, a stereo microscope uses reflected lighting instead of transmitted lighting. This means that it uses light reflected from the surface of an object rather than light transmitted through an object. Using light reflected from the

object allows examination of samples that would be too thick or opaque for compound microscopy.

#### This stereo microscope

It has high-quality optical components, which provide a sharp and striking contrast image and ensure a flat image at great depth of field. Its ergonomic design alleviates fatigue, making it more comfortable for the lap operator, especially when spending many hours studying and dissecting a sample. This model has a LED light for incident and transmitted illumination, which provides uniform illumination and its lifespan can reach up to 6000 hours. About its uses, this device is the ideal instrument for industrial assembly, inspection and teaching field, with a complete set of eyepieces, objectives and accessories.



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## Binocular Laboratory Microscope

Model YR0254



### Technical Specifications

Model	YR0254	
Head	Binocular, Inclined 45°, Interpupillary Distance 55~75mm	o
	Trinocular, Inclined 45°, Interpupillary Distance 55~75mm	
Eyepiece	Extra Wide Field EW10x/22mm, High Eyepoint, Diopter Adjustable	
Zoom Objective	0.8x~5x	
Zoom Ratio	01:06.3	
Working Distance	115mm	
Stand	Track Stand, With Glass Pate Dia. 125mm	
Illumination	Up & Down LED Light, Brightness Adjustable	
Power	100~240V Wide Range Voltage	
<b>Zoom Stereo Microscope Optional Accessories</b>		
Eyepiece	WF15x/16mm	YR0254-op1
	WF20x/12mm	YR0254-op2
	WF30x/	YR0254-op3
	EW10x/20 Retical Eyepiece, With Cross Hair	YR0254-op4
Auxiliary Lens	0.5x, W.D.220mm	YR0254-op5
	0.7x, W.D.113mm	YR0254-op6
	2x, W.D.45mm	YR0254-op7
Adapter	Photo Adapter	YR0254-op8
	0.5x C-Mount	YR0254-op9
	1.0x C-Mount	YR0254-op10



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Model YR0254



### Types of Microscopes that a laboratory may need



Polarizing microscope YR0261

Stage with attachable mechanical stage located at 45° with large range of motion, high efficiency without...

[see product](#)



Trinocular microscope YR0231

With front and low position coaxial focus system, focus knobs and brightness adjustable knob inside...

[see product](#)



Binocular microscope YR0242

With precision machining equipment and improving the bottom of the traditional microscope YR0242. Is a...

[see product](#)

### Analysis of the best Microscopes for your laboratory



What is an Atomic Force Microscope?

It is a mechano-optical laboratory equipment, designed to display nanonewton forces of order...

[See more](#)



What is an X-Ray Microscope?

Initially, microscopes have been commercially available for almost 70 years and currently exist throughout the world, being...

[See more](#)



Microscope: Halogen vs. Illumination leds

Often high-powered microscopes cannot provide excellent quality images due to...

[See more](#)



What is a fluorescence microscope?

Fluorescence microscopy is a special form of light microscopy. Use the capacity of...

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## Binocular Laboratory Microscope

Model YR0254



### Guides for you to become an expert in Microscopes

At Kalstein we are manufacturers of microscopes of the highest quality and that have the best technology on the market, we leave you some guides so that you can learn more about our product...

**How does a planachromatic microscope work?**

The objective of a microscope is the most important and complex element of the light microscope. It's important because...

[See more](#)

**How to eliminate fungi from our microscopes?**

Microscopes are essential equipment for any laboratory, some are very simple while...

[See more](#)

**How does a phase contrast microscope work?**

The phase contrast microscope is a type of microscope that allows living samples to be observed without the need...

[See more](#)



### The microscope and its evolution

The first great advances in science and in particular in the biological sciences are due in part to the invention of the **light microscope**, when at the end of the 17th century Anton van Leeuwenhoek, carving lenses, was able to appreciate the world that because of its so small size...

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## Binocular Laboratory Microscope

Model YR0254



### Catalog of models of Microscopes on offer



Laboratory Microscope YR0239 – YR0240

Select Options



Polarizing microscope YR0263

Add To Quote



Metallurgical microscope YR0255

Add To Quote



YR0261 Polarizing Microscope

Add To Quote



Inverted Fluorescent LED Microscope YR0575

Select Options



Trinocular microscope YR0231

Add To Quote



Metallurgical microscope YR0251 – YR0252

Select Options



Binocular Biological Microscope for Students

Select Options



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

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**2**  
Read this ARTICLE NOW  
**What is the importance of the laboratory refrigerator?**  
A 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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