

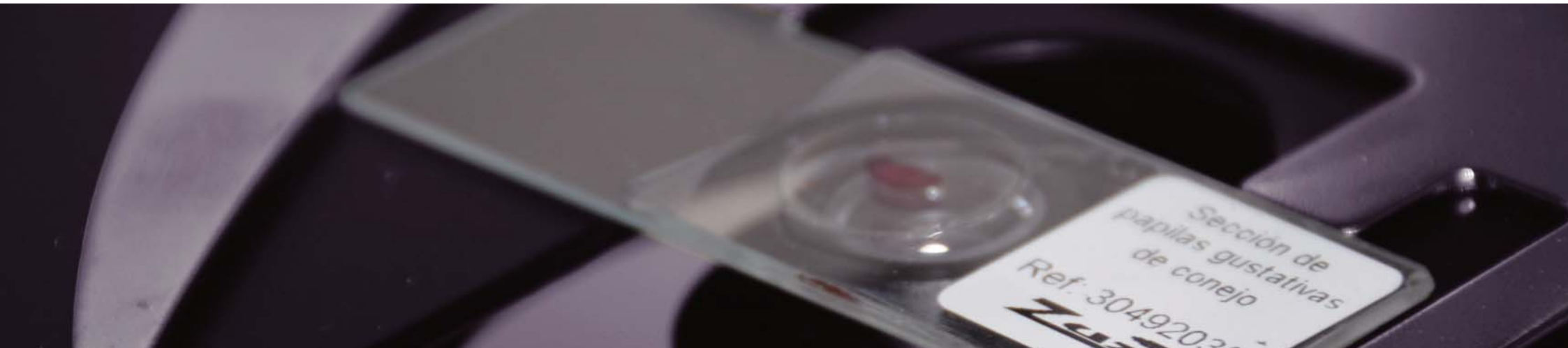


**microscope**  
co-observation  
multi-head

**ZUZI**

## co-observation multi-head microscope

Zuzi presents his new professional microscope for co-observation. His new modern and dynamic design is ideal for teaching in small groups and sharing data between researchers. For this, the microscope is equipped with three binoculars heads, all of them with interpupilar distance adjustment and diopter correction and it is equipped with an achromatic optic system infinity corrected which provides a high quality image. Provided with a LED point that allows marking the interesting regions in order to be easily identified by the observers.



## co-observation microscope: Series 150

[01] 30° Inclined binocular heads with interpupilar distance adjustment by free mechanism and diopter correction.

[02] Quadruple nosepiece with achromatic objectives 4x, 10x, 40x (R) y 100x(R)(I) infinity corrected which provides a high quality image.

[03] Mechanical stage of large dimensions (180x150 mm) with moving knobs located in a low position for a better use and with graduated scales in both sides to allow a quick localization of interesting regions in the slide.

[04] Clamp to hold up to two slides at the same time, specially appropriate for the observation and comparison of specular or seriated slides.

[05] Coaxial coarse and fine focusing knobs located in a low position for an easy and comfortable access. Provided with tension adjustment ring and focusing upper limit blocking lever. .

[06] Köhler illumination system with field and aperture diaphragms and Abbe condenser with height adjustment that provides a better illumination control.

[07] Power source by LED diode, with longer average life than halogen lamps and that provides a more homogeneous illumination of the slide.

[08] LED point with potentiometer, that allows marking the interesting regions.

[1] 30° Inclined binocular heads with interpupilar distance adjustment by free mechanism and diopter correction

[2] Quadruple nosepiece with achromatic objectives 4x, 10x, 40x (R) y 100x(R)(I) infinity corrected

[3] Mechanical stage of large dimensions (180x150 mm) with moving knobs located in a low position for a better use and with graduated scales in both sides

[4] LED point with potentiometer, that allows marking the interesting regions.

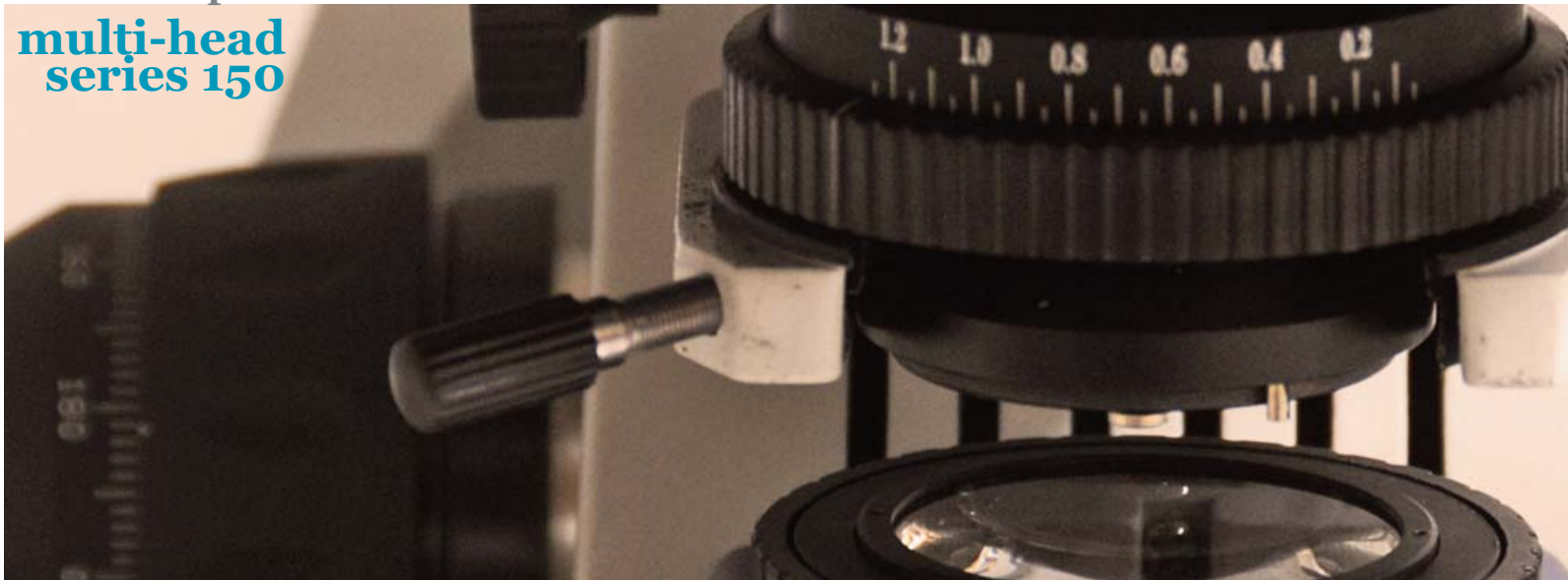
[5] Köhler illumination system with field and aperture diaphragms and Abbe condenser



co-observation multi-head microscope

**co-observation  
microscope:**

**multi-head  
series 150**



Code	50150154
Head	3 binocular, inclined 30°
Eyepiece	WF 10x/20mm
Nosepiece	Quadruple
Objectives	Achromatic (antifungal) infinity corrected; 4x N.A.: 0.10 / 10x N.A.: 0.25 / 40x (R) N.A.: 0.65 / 100x (R)   N.A.: 1.2
Stage	180x150 mm; Double layer mechanical stage with moving clamp
Condenser	Abbe (N.A.: 1.25) with aperture diaphragm and filter holder
Precondenser	With graduated field diaphragm
Focus	Coaxial fine and coarse; fine focusing knob with scale 0.002 mm
Illumination	White LED with intensity regulation
Power	AC 85 – 240 V / 50 – 60 Hz

# microscopios multiobservación : equipment parts

co-observation multi-head microscope

1

Binocular head inclined 30°. Through the adjustment knob the user could spin each head and place it in the appropriate position.



9

Adjustment knob.

4

LED point with potentiometer, that allows marking the interesting regions.

8

LED point connector to the electrical current.

2

Quadruple nosepiece with achromatic objectives

3

Mechanical stage of large dimensions (180x150 mm) with moving knobs located in a low position for a better use and with graduated scales in both sides to allow a quick localization of interesting regions in the slide.

5

Kölher illumination system with field and aperture diaphragms and Abbe condenser with height adjustment that provides a better illumination control.

6

Microscope stand that allows a good stability to the equipment.

7

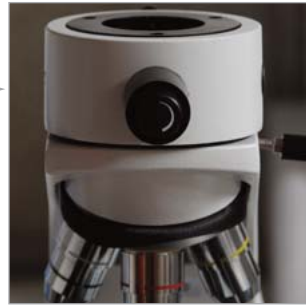
Potentiometer



## co-observation microscope: placing of heads



[Image 2]



[Image 3]



[Image 4]



[Image 5]



[Image 6]

[Images 1 and 2] Put the LED point piece on the microscope stand. Introduce it on the corresponding hole.

[image 3] Once it is inside the hole, screw it until it is perfectly adjusted. To do this, you should use the adjusting screw located in the left side.

[image 4] Place the multi-head onto the LED point piece and adjust it with the adjusting screw located in the backside of the piece.

[image 5] Place the heads into the multi-head piece, inside the corresponding holes and adjust them with the adjusting screw.

Each of the heads can only be located on a hole, this correspondence is indicated in the head itself. Check this information before placing the head.

co-observation  
microscope:  
**multi-head  
series 150**



**Multi-head and laser point:**

His three binocular head system and the laser point make of this microscope an essential instrument for teaching in small groups or sharing data between researchers.

■ It is equipped with three binocular heads inclined  $30^\circ$  with interpupilar distance adjustment by free mechanism and diopter correction allowing a more comfortable observation during longer period. The heads can be located in different positions according to the user needs. Through a simple system, the user only needs to unscrew the adjustment system of the head, place the head in the desired position and finally adjust the head until it is perfectly adjusted.

■ His LED point with potentiometer of intensity allows marking the more interesting regions in order to be easily identified by the co-observers.

