

Z4 Zoom Stereoscope with LED Embryo-GLO Base

The Z4 Zoom Stereoscope on the Embryo-GLO Base is the perfect choice for embryo transfer professionals. The Z4 Zoom Stereoscope magnifies from 7x-45x for high-resolution 3-D viewing of embryos, and the 10x eyepieces include a reticle for checking embryo size. Magnification can be increased by upgrading with 15x eyepieces, but most embryo transfer doctors find that 45x is the ideal magnification.

In a traditional stereoscope base, the bulb is mounted below the stage plate. Because it shines directly upward into the eyes of the user, it obscures the view of the embryos. But the new Embryo-GLO Base eliminates that problem. Its variable intensity LED bulb is mounted in the rear of the base and shines toward a mirror below the stage plate, providing a clear view of the embryos. **The user-adjustable tilting mirror allows for indirect lighting through embryos at various angles, illuminating the internal structures of the embryos.** The double-sided mirror has a clear mirror on one side for bright focused light and a frosted mirror on the other side for diffused illumination. The improved LED illumination system features variable intensity, allowing for brighter light when needed for higher magnifications.

Morphological evaluation of the quality and stage of development of embryos using the Z4 Zoom Stereoscope on Embryo-GLO Base will help to increase fertility rates in embryo transfer programs.



HEAD

- Inclined 45°, rotates 360°
- 10x/20 high point eyepieces with rubber eye guards
- Reticle installed for sizing embryos
- Interpupillary distance 50mm-75mm
- Trinocular head available

OBJECTIVES

- 0.7x to 4.5x hard-coated zoom objectives
- Standard magnification range is 7x to 45x
- Maximum magnification 135x with optional lenses

FOCUS

- Large dual focusing knobs with metal rack & pinion
- Metal pinion gear zoom mechanism
- Maximum height 7.5" (190.5mm) from stage to scope

ILLUMINATION

- High-Intensity LED Reflector bulb
- Tilting double-sided mirror (clear and diffused)
- Light control unit with variable intensity brightness control

CONSTRUCTION

- Aluminum alloy construction
- Acid and reagent resistant finish

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Model #	Description
Z4M-BZM7-EML3	Z4 stereo microscope, binocular, Embryo-GLO base, LED, 110/220V
Z4M-TZM7-EML3	Z4 stereo microscope, trinocular, Embryo-GLO base, LED, 110/220V

STAGE

- Mirror angle adjustment knob
- Clear glass stage plate
- Plastic hand rest

POWER

- Input: AC110/220V - 50/60Hz auto-switching

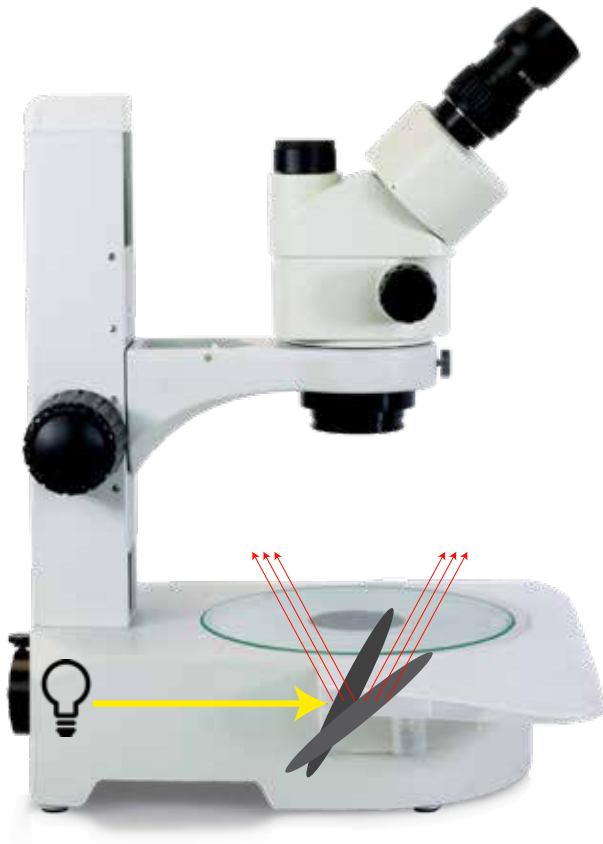
WEIGHTS AND DIMS

- Packaged:**
- Height: 15" (381mm)
- Length: 30" (762mm)
- Width: 30" (762mm)
- Weight: 19lbs (8.62kg)



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Better Specimen Analysis with Indirect Lighting



Multiple Magnification Options Available

Eyepiece Magnification	Standard Configuration		Supplemental Lenses			
			0.5X		2X	
	Working Distance: 100mm		Working Distance: 165mm		Working Distance: 30mm	
	Magnification	Field of View	Magnification	Field of View	Magnification	Field of View
10X/20	7X	28.6	3.5X	57.1	14X	14.3
	45X	4.4	22.5X	8.9	90X	2.2
15X/15	10.5X	21.4	5.25X	42.8	21X	10.7
	67.5X	3.3	33.75X	6.7	135X	1.7