

Z4 Zoom Stereoscope with 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 halogen 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 halogen light assembly can also be mounted onto the adjustable upper illuminator bracket for incident lighting from above the embryos. The light control box features 4 brightness settings, 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 180x 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

- 12v/15w Halogen Reflector bulb
- Moveable Light assembly (base mount or upper bracket mount)
- Double-sided mirror (clear and diffused) for transmitted light
- Adjustable upper illuminator bracket for incident lighting
- Light control unit with 4-position brightness control

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Model #	Description
Z4M-BZM7-EMH1	Z4 stereo microscope, binocular, Embryo-GLO base, 110V
Z4M-TZM7-EMH1	Z4 stereo microscope, trinocular, Embryo-GLO base, 110V

CONSTRUCTION

- Aluminum alloy construction
- Acid and reagent resistant finish

STAGE

- Mirror angle adjustment knob
- Frosted stage plate
- Specimen clips

POWER

- AC 110V – 60Hz

OPTIONS

- 15x Eyepiece / Z4E-1516-3077
- 0.5x supplemental lens / Z4P-LNS7-050X
- 2x supplemental lens / Z4P-LNS7-200X

WEIGHTS AND DIMS

- Height: 15" (381mm)
- Length: 11" (279mm)
- Width: 8" (203mm)
- Weight: 11.95lbs (5.4kg)