

# 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

## Z4 Zoom Stereoscope with Embryo-GLO Base

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)



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