

ZM180 Zoom Stereomicroscopes



Model ZM181HF

ZM181HF with extended Pillar/Post mount.



Model ZM184HFT

ZM184 with Trinocular Head and Extender Arm stand.

ZM180 Series Stereomicroscopes provide sharp 3-D imaging.

The ZM180 Series Zoom Stereomicroscopes offer smooth, continuous zoom magnification, through the entire 7x – 45x range. Available with a variety of stand and illumination choices; the standard optical configurations give 7 - 45x with 10x eyepieces. However, the magnification range can vary from 2.1x to 225x depending on the combination of eyepieces and auxiliary objective lenses you select.

We have a ZM Zoom Stereo for you! Available with a wide variety optical, stand and illumination options we have a model for your application. For temperature sensitive work such as fertility or insemination applications, we recommend models with cool-burning fluorescent bottom illumination to eliminate overheating your specimens. As you review the following selections keep in mind the range of eyepieces and auxiliary objective lenses available:

ZM180 Series Standard Features:

- Continuous Zoom Binocular or Trinocular Heads, 7 – 45x
- Parfocal Zoom stays in focus over entire zoom range
- Superior optical design with crisp resolution
- Heads rotate 360°, and lock in-place with thumb screws
- Eyepieces are inclined at a 45° angle for viewing comfort
- Dual-Diopter, independent focus controls on each eyetube
- Interpupillary Distance Adjustment of 55 mm to 75 mm
- Working distance of 108 mm (with standard optical configuration)
- All metal head, stand and body construction

ZM180 Series Options and Accessories:

- Extra-Widefield Eyepieces: 10x, 15x, 20x and 25x
- Auxiliary Objectives: 0.3x, 0.5x, 0.75, 1.5x and 2x
- Magnification range of: 2.1x to 225x depending on optics selected
- Stand Selection: Solid Arm or Pillar/Post Mount
- Illumination choices: Halogen, Fluorescent and Fiber Optics
- Camera Adapters for C-Mount Video or SLR cameras
- Frosted, Clear and Black/White Stage Plates

Item No.	Description	Stand	Illumination
ZM181	Binocular Zoom Stereo	Pillar/Post	None
ZM181T	Trinocular Zoom Stereo	Pillar/Post	None
ZM181HF	Binocular Zoom Stereo	Pillar/Post	Halogen (top) Fluorescent (bottom)
ZM181HFT	Trinocular Zoom Stereo	Pillar/Post	Halogen (top) Fluorescent (bottom)
ZM184HF	Binocular Zoom Stereo	Extender Arm	Halogen (top) Fluorescent (bottom)
ZM184HFT	Trinocular Zoom Stereo	Extender Arm	Halogen (top) Fluorescent (bottom)

Optical Accessories for the ZM Series

Item No.	Description
D4-1001	10x Widefield Eyepiece, each
D4-1002	15x Widefield Eyepiece, each
D4-1003	20x Widefield Eyepiece, each
D4-1004	25x Widefield Eyepiece, each
D4-2001	2x Auxiliary Objective
D4-2003	0.75x Auxiliary Objective
D4-2004	0.5x Auxiliary Objective
D4-2005	0.3x Auxiliary Objective
D4-8020	Video Adapter with C-Mount, adjustable
D4-8010	SLR Camera Adapter (requires T-Mount)

Zoom Stereomicroscopes

Stereo Zoom IVF/ET Microscopes

The ZM188's are configured for IVF/ET, or In Vitro Fertilization Pre-Embryo Transfer.

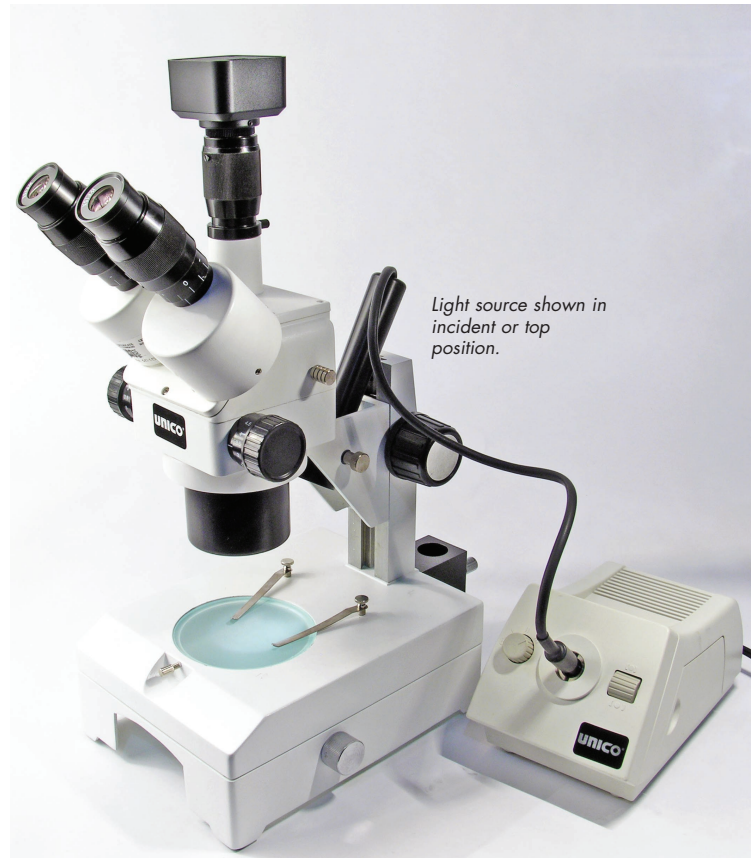
Using the specially designed microscope, you can place the light source to illuminate from the top (incident), or from the bottom (transmitted). The Diascopic base allows excellent viewing of unstained translucent specimens with transmitted (bottom) illumination. This is accomplished by bouncing the incoming light off a mirror mounted in the base, so the light strikes the specimen at just the right angle to increase contrast and clarity of transparent & translucent specimens.

A special configuration of optics provides a continuous magnification Zoom Range of 10.5X – 67.5X; everything you need for IVF / ET.

Three models of ZM188's are available, a Binocular (ZM188) and Camera-Ready Trinocular (ZM188T) and a Trinocular with digital camera package (ZM188TC).

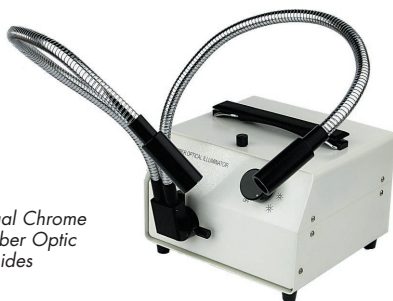
Specifications:

- Paired 15X High-Eyepoint Eyepieces
- Dual Diopter adjustment on eyepieces
- Zoom range of 10.5X through 67.5X
- Variable intensity cool light source
- Light Source mounts top or bottom, (Diascopic)
- Choose Binocular, or Camera-Ready Trinocular heads
- Trinocular models include C-Mount camera adapter
- Capability to add optional C-Mount cameras
- Large stage with moveable/removable stage clips
- Ability to view large objects on stage
- Dual focus knobs with knurled grips



Light source shown in incident or top position.

ZM188T



Shown with Dual Chrome Gooseneck Fiber Optic Light Guides

Fiber Optic Illuminator



Light source shown installed at rear of base in correct position for IVF. This position is transmitted (bottom) illumination.

Illuminator Accessories for the ZM Series

Item No.	Description
D4-7004	Fiber Optic Light Power Supply, 115 Volt / 100 Watt
D4-7002	Dual Chrome Gooseneck Fiber Optic Light Guides (requires D4-7004)
D4-7003	Fiber Optic Ring Light Guide (requires D4-7004)
D4-7030	Fluorescent Ring Light with adapter for ZM Series
D4-7011	Ring Lamp Bulb, fluorescent
D4-7013	Halogen Bulb, 6 Volt / 20 Watt
D4-7014	Fluorescent Bulb, 6 Volt / 5 Watt

Item No.	Description
ZM188	Zoom Binocular IVF / ET Microscope
ZM188T	Zoom Trinocular IVF / ET Microscope
ZM188TC	Zoom Trinocular IVF /ET Microscope with 5.6 MP Digital Camera and image capture software for Windows XP or 7