

Typical Solutions

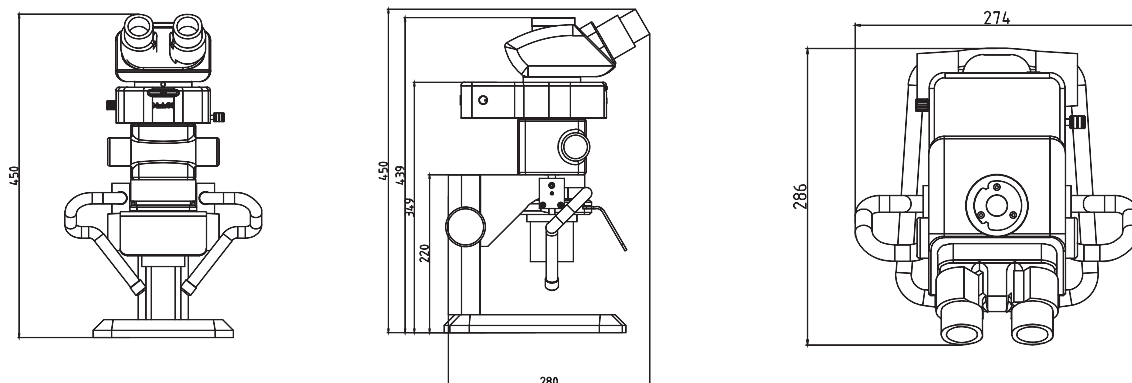
► Special solution of C.elegans

Fluorescence turret+High magnification objective+fiber light source

- Long lifetime fiber light source
- Five hold turret of fluorescence module
- 10X/20X special objective to offer high magnification
- A linkage ensures corret center of vision with changed objective



► MZX81 Dimension



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Mshot

Micro-imaging system supplier

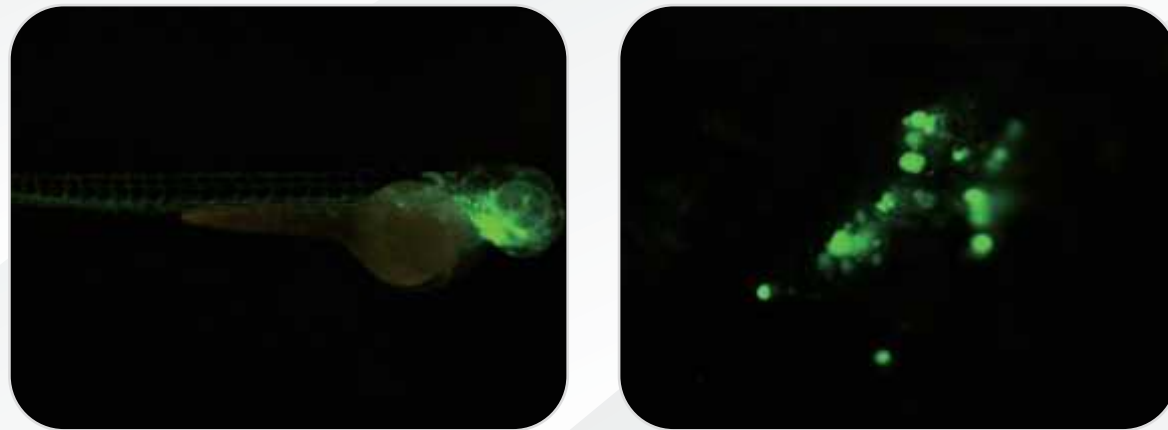
Stereo-fluorescence Microscopy Solution



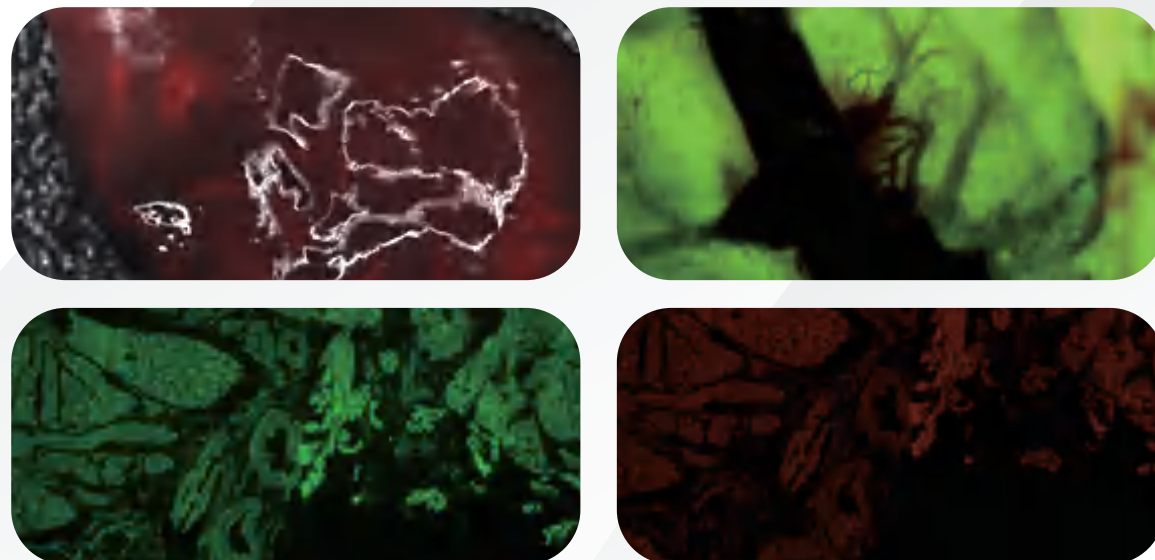
Applications-1

► Zebrafish

Zebrafish and human genes have a high similarity of 87%. As a model organism, zebrafish, has a prominent advantage, which means that its experimental results are mostly suitable for human body and can often be used for monitoring water quality and environment.

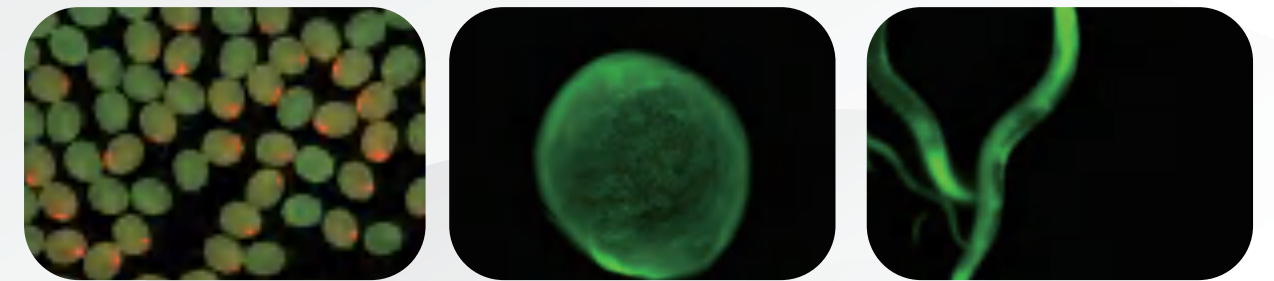


► Rat brain thrombus & Tissue sections of rat



► Silkworm eggs & Larva eggs & C.elagans

Nematoda is one of the largest phylum in animal kingdom. Most of them live on their own, and a few of them are parasitic on human body and cause diseases. It was not until the 1980s that nematode research was gradually recognized internationally.



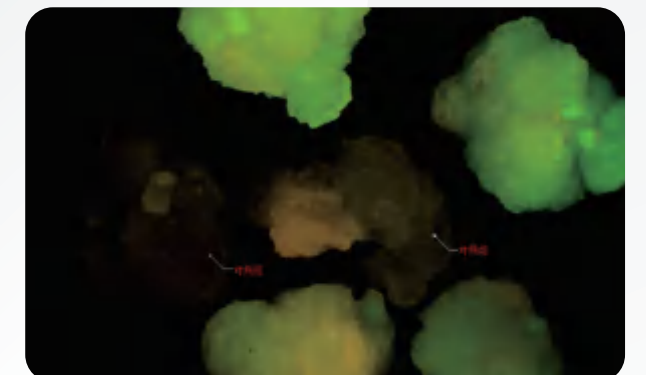
► Drosophila transgenosis

As a classic model organism, drosophila is used to various studies such as genetics, regulation of developmental genes, various neurological diseases, drug addiction and alcoholism, learning and memory, and some cognitive behaviors, all have Drosophila's contribution.



► Transgenic breeding

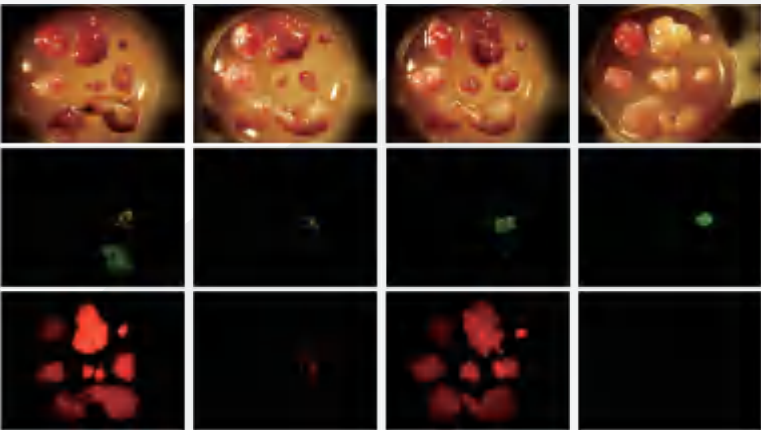
It refers to the breeding method of adding one or more genes to a biological genome through modern molecular biology technology to produce organisms with improved characteristics.



► Chick CAM (Chick Embryonal Membrane)



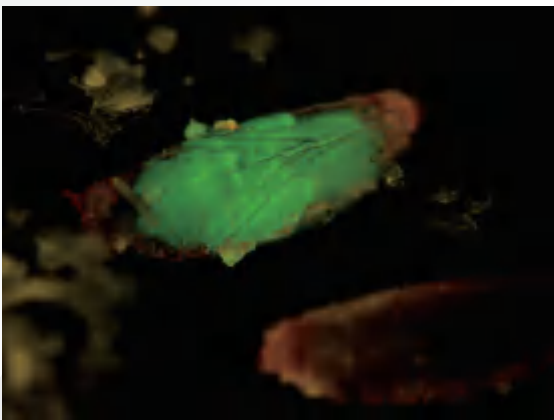
CAM is a kind of cardiopulmonary bypass system of chicken embryo , which has rich vascular integrity. By observing the changes of blood vessels (congestion, hemorrhage, coagulation) after CAM exposure to chemicals, we can evaluate the possible irritation of chemicals.



Item No.	MZX81	
Eyepiece	WF10X/22	
Head	Lead-free tube, 30° inclination, light path: eyepiece 100%/photography 100%	
Objective	1X plan achromat objective, working distance:90mm (2X is optional)	
Epi-illumination LED fluorescent	Excitation cube	Excitation wavelength
	Blue(B)	460-490nm
	Green(G)	510-550nm
	Optional (UV)	330-380nm
Zoom radio	Zoom ratio: 7:1 (0.8x ~ 5.6x)	
	Magnification scale 0.8, 1, 1.25, 1.6, 2, 2.5, 3.2, 4,5, 5.6	
Magnification	8-56X	
Base	SZ2-ST standard base	
	Fluorescence baffle M-FL	
Dust cover	MSHOT specific dust cover	



- Infinite parallel optical system
- LED fluorescent dual light path
- Superior zoom ratio
- Outstanding image clarity
- High cost performance



Item No.	MZX80	
Eyepiece	WF10X/21	
Head	Lead-free tube, pupil distance 50mm~75mm, both of eyepoint are adjustable	
Objective	Achromat 1X, working distance:80mm	
Epi-LED Fluorescent Illumination	Excitation	Excitation wavelength
	Blue(B)	460-490nm
	Green(G)	510-550nm
	Optional(UV)	330-380nm
Zoom radio	Zoom ratio: 8:1 (0.62x~5.0x)	
	Zoom magnification 0.62 , 0.8 , 1 , 1.25 , 1.6 , 2 , 2.5 , 3.2 , 4 , 5	
Magnification	6.2X-50X	
Stand	Stand column length 365mm	
Base	MZX80-2 standard basement	
Dust cover	MSHOT dust cover	

► Paperwork identification



Identification of paperwork refers to indentify the sequence of printed or written characters and seals. In the field of legal proceedings, judicial and criminal investigation, many documents and material evidence, need to be identified to determine their authenticity.



Item No.	MZX81- II (special for paperwork identification)		
Eyepiece	SWF10X/22		
Tube	Lead-free observation tube,30° inclination,optical path: eyepiece 100%, photography 100%		
Objective	Semi-plan achromat objective 2X, working distance:30mm		
Epi-LED Fluorescece illuminator	Excitation filter	Excitation wavelength	
	Blue(B)	460-490nm	
	Green(G)	510-550nm	
Bright field	Epi-illuminating Round lamp-LED-305		
Zoom body	Zoom radio: 7:1 (0.8x ~ 5.6x)		
	Magnification scale unit 0.8, 1, 1.25, 1.6, 2, 2.5, 3.2, 4,5, 5.6		
Zoom times	16-112X		
Adapter	1X C-mount adapter of camera port		
Base	Base SD10J(300*400mmblack metal bottom base, coarse and fine focusing, liftable LED light)		
Accessories	MSHOT specific dust cover, letterweight to press paperwork		

► Compatible with main of world famous microscopes

Features:

- Superior to meet their optical path offering high quality imaging.
- Providing varies of excitation wavelength for users' choice.
- Long lifetime LED light source, energy saving and environment friendly.
- Dual optical path of fluorescence, dual exciting intensity for bright lighting.
- Machine response in nanosecond, high effiency, easy to use.



SZX7 / SZX10 /
SZX12 / SZX16 / etc

SMZ800N /SMZ1270/
SMZ18 / etc

V8 / V12 / V16 /
V20 / etc

M60 / M80/ M125 /
M165 / etc