

OLYMPUS®

Olympus is about life. About photographic innovations that Capture precious moments of life. About advanced medical technology that saves lives. About information- and industry-related products that make possible a better living. About adding to the richness and quality of life for everyone. Olympus. Quality products with a FOCUS ON LIFE

FLUORESCENCE ILLUMINATION
SYSTEM FOR STEREO MICROSCOPE

SZX-RFL2

**THE REFLECTED LIGHT FLUORESCENCE SYSTEM THAT'S IDEAL FOR
MACRO FLUORESCENCE OBSERVATIONS**



Improved Brightness And Operability In Fluorescence Observations.

Recognizing that GFP (Green Fluorescence Protein) observation plays an increasing role in the field of genetic research, the SZX-RFL2 is designed to allow fluorescence observation of organisms and living cells. Today, researchers are concentrating on making those GFP observations via zoom stereomicroscopes, which not only let them observe large specimens but also perform injections more easily, thanks to their longer working distance. In response to those needs, Olympus has made brightness and ease of use the key features of the advanced, high-performance SZX-RFL2 fluorescence illumination system.

Speedy excitation light changes

Changeover between the three simultaneously attached mirror units can be quickly and easily performed by simply operating a lever. Or, if the empty hole for transmitted light observation is included, four-position changeover is also available. The SZX-RFL2 system is suitable for any research observations using GFP and normal fluorochromes such as Texas Red and TRITC can be used concurrently.

Easy mirror unit changes

Four different types of mirror units are provided, and can be freely combined to meet a variety of different purposes.

Bright fluorescence observation images

Careful selection of the most appropriate lenses for the SZX stereomicroscope optical system allows bright fluorescence images. Combining SZX12 with DFPLAPO1.2XPF objective helps to obtain brighter images with higher contrast.

Critical illuminations available

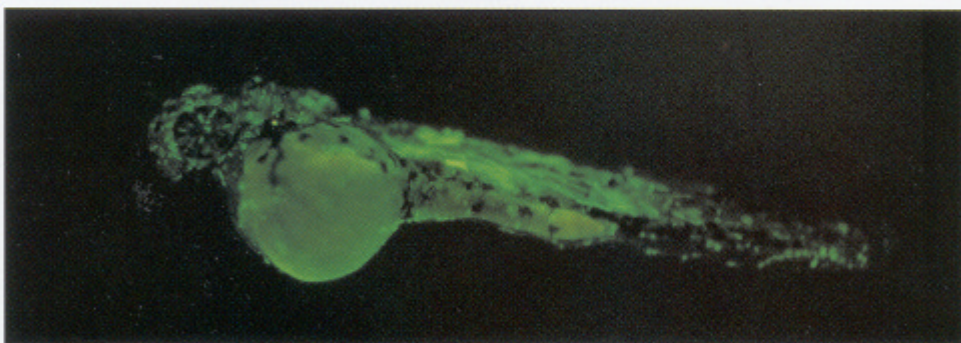
Zoom stereomicroscopes are capable of obtaining critical illuminations at high brightness levels. This makes screening easy even at low magnifications.

Specifications

Applicable microscope	SZX12 (SZX9 is also applicable)
Illumination system	Coaxial reflected light illuminator, Critical illumination availability
Observation path exchange	Four-position
Observation combinations	Transmitted and three fluorescence wavelengths
Excitation filter	GFP, GFP-A, IY and G
Filter exchange	User-operable mirror unit exchange
Illumination path slider	Three-step exchange for ND25, shutter or empty hole
Recommended objectives	DFPLAPO1.2XPF (N.A. 0.13, W.D. 60mm) : for SZX12
Magnification range	8.4 - 108X (when combining SZX12 with DFPLAPO1.2XPF objective and WHS10X-H eyepiece.)
Zoom range	SZX12: 0.7 - 9X (Zoom ratio 12.86:1) SZX9: 0.63 - 5.7X (Zoom ratio 9.05:1)
Field number	22 (when using WHS10X-H eyepiece)
Light source	100W mercury lamp

Fluorescence mirror unit

Mirror unit	Model	Remarks
For GFP	SZX-MGFP	Ex460-490/DM505/Em510-
For GFP separation	SZX-MGFPA	Ex460-490/DM505/Em510-550
For G excitation	SZX-MG	Ex460-560/DM580/Em590-
For IY excitation	SZX-MIY	Ex540-580/DM600/Em610-



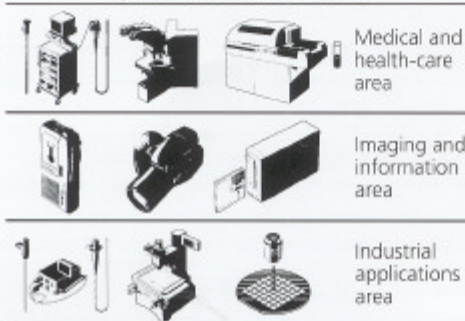
Zebrafish expressing green fluorescent protein (GFP)

Photo courtesy of Dr. Yasuhiro Kamei, Institute for Molecular and Cellular Biology, Osaka University

Specifications are subject to change without any obligation on the part of the manufacturer.



Olympus business areas



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