

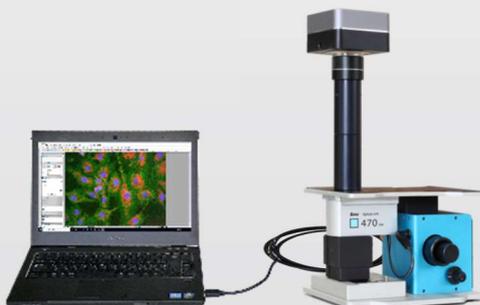
Soma

Portable fluorescence microscope

Smartphone compatible

Model No. **S-3380**

- Compact design, carryable with one hand
- Battery-powered, useable anytime, anywhere (AA size battery × 3)
- Exchangeable: Excitation and Fluorescence wavelength, Objective lens



[Photo]

S-3380B(Upper right)

Optical LED unit : Type 470, Objective lens : 10x incorporated

※Smartphone is not included

S-3380P(Upper left)

Optical LED unit : Type 390, Objective lens : 10x incorporated

Left

Observation by an optional CCD camera and PC is available

- This is a portable fluorescence microscope designed to acquire on-site fluorescence image using smartphone. Fluorescence image of active-stained mycorrhizal fungi can be observed easily.
- The battery-powered LED with high-brightness is used. AC power is not used.
- Images can be captured anywhere by the stable battery power.
The acquired images can be analyzed and processed by a software (option, for PC).

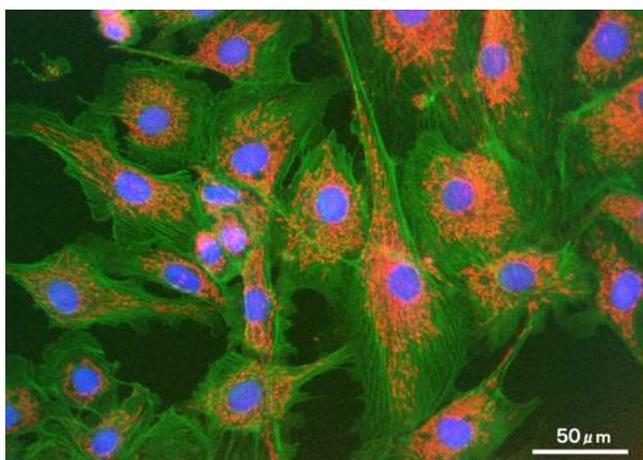
Components

Instrument Configuration : ■ Main unit ■ Objective lens ■ Optical unit

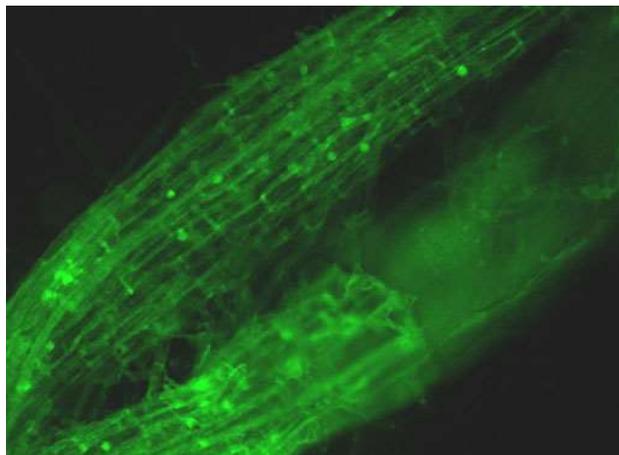
Specification

Model	S-3380B (Blue),S-3380P (Pale red)/ MILZIT Portable fluorescence microscope
Main unit	Portable fluorescence microscope main unit (Select S-3380B (Blue) or S-3380P (Pale red))
Optical unit (LED mounted) Select from three optical units (Multiple selection possible)	<ul style="list-style-type: none"> • Type 390 : 3W Violet LED, Excitation 390nm, Fluorescence 443 ~ 489nm • Type 470 : 3W Blue LED, Excitation 470nm, Fluorescence 500 ~ 550nm • Type 560 : 3W Green LED, Excitation 560nm, Fluorescence 600 ~ 681nm <p>* Each unit incorporates an LED, dichroic mirror, band-pass filter and absorption filter. * The unit cannot be disassembled. * Optical units with other wavelength are available. Please contact us for more information.</p>
Objective lens (Multiple selection possible)	Achromatic objective lens ※1 4x, 10x, 20x, 40x ※1 RMS mount; Diameter 0.8 in (20.32 mm), pitch 1/36 in (0.706 mm)
Main unit Power supply	Battery : AA size battery x 3pcs (4.5 V) Five steps intensity adjustment for excitation light * Alkaline batteries for the operation check are included. * Compatible with nickel hydrogen batteries.
Size / Weight	162(W) × 123(D) × 91~123(H) mm / About 1.5 kg (Excluding battery)
Option	<ul style="list-style-type: none"> • Fluorescent image observation set for PC (CCD camera, imaging lens, Adapter for the body and the imaging lens, and software) <p>* Optical units with other wavelength are available. Please contact us for more information.</p>

Reference



Bovine Pulmonary Artery Endothelial cells(BPAEC)
(By option CCD camera 40x Objective lens)



Mycorrhizal fungi
(By Type470 optical unit,10x Objective lens, Smartphone)
AMF symbiosis with bahiagrass (Perennial of poaceae)
Photo by Takaaki Ishii
(National Institute of Technology,Tokuyama College)

● For inquiries please contact

Soma **SOMA OPTICS,LTD.**

23-6 HIRAI,HINODE-MACHI,NISHITAMA-GUN,
YOKYO 190-0182 JAPAN
Phone : +81-42-597-3256 FAX :+81-42-597-3208
E-mail : sales@somaopt.co.jp
URL : https://somaopt.co.jp

[Sales agent]