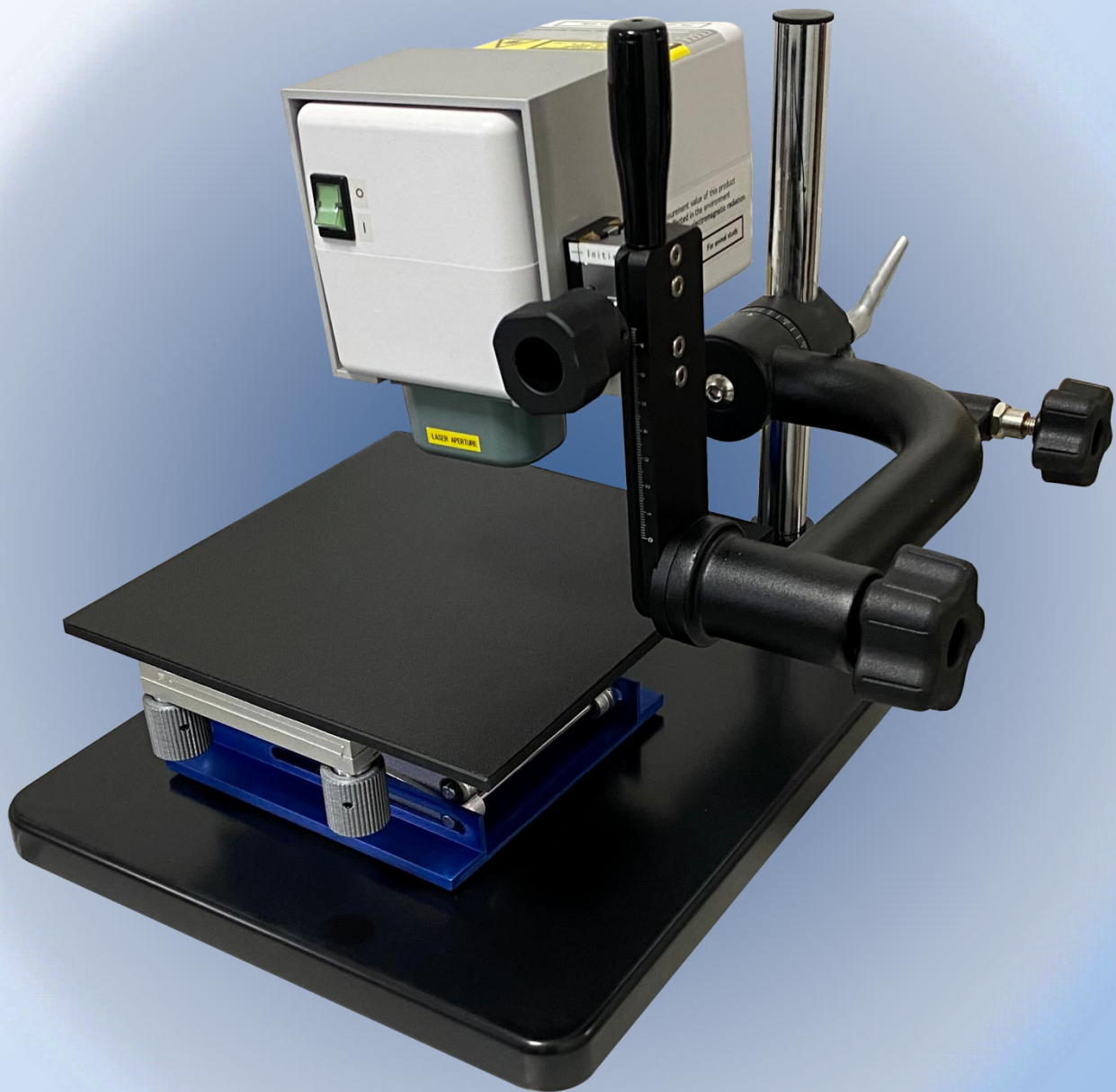


Laser Speckle Flowgraphy

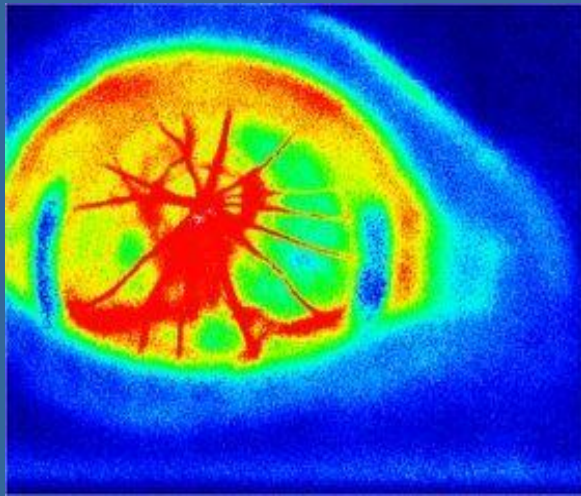
LSFG—Micro

Real-Time Observation of Blood Flow Change

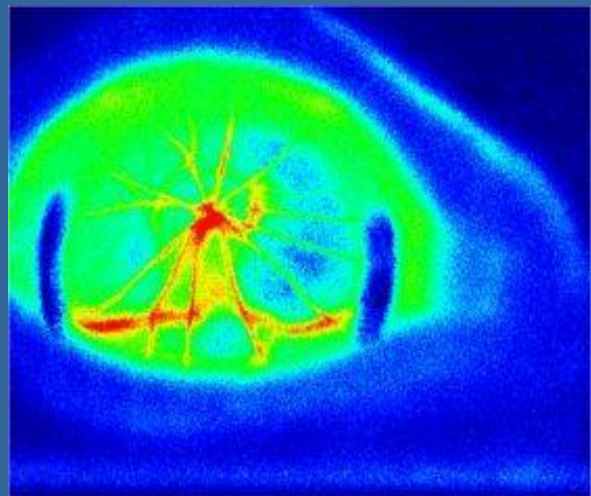


Measured Samples

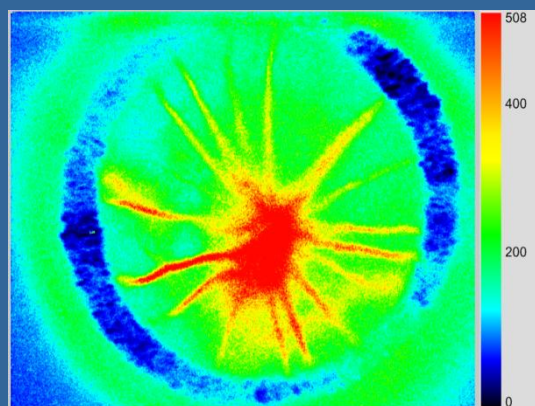
Decreased blood flow becomes visible in the eye of a white rat



Normal



Ischemia



Blood flow map of a mice's eye

Molecular Pharmacology, Department of Biofunctional Evaluation, Gifu Pharmaceutical University, Gifu, Japan

Specifications

Power		AC100-240V, 50/60Hz
Light Source	Type	Laser Diode
	Wave Length	830nm
	Class	3R or less (Based on IEC60825-1:2014)
Measurement Area Size	Low-Magnification Model	About 6.5(H) x 4.8(V) mm
	High-Magnification Model	About 3.2(H) x 2.5(V) mm
Output Image	Resolution	700W x 480H Pixels
Measurement Time		Select between 1 to 10 sec
Personal Computer		Desktop or Laptop, Windows 11 (64bit)

All specifications are subject to change without notice.



Caution

- This system is only for research or education purposes.
- This system cannot correctly measure increase or decrease in blood flow in the following instances:
 - if the measurement area is vibrating
 - if the area is illuminated by thermal light such as sunlight
- It is difficult for this system to measure absolute velocity such as mm/sec. This system is suitable for measuring the increase or decrease of blood flow within the same body part.

Manufacturer: Softcare Co., Ltd.

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