For Research and Education

Laser Speckle Flowgraphy

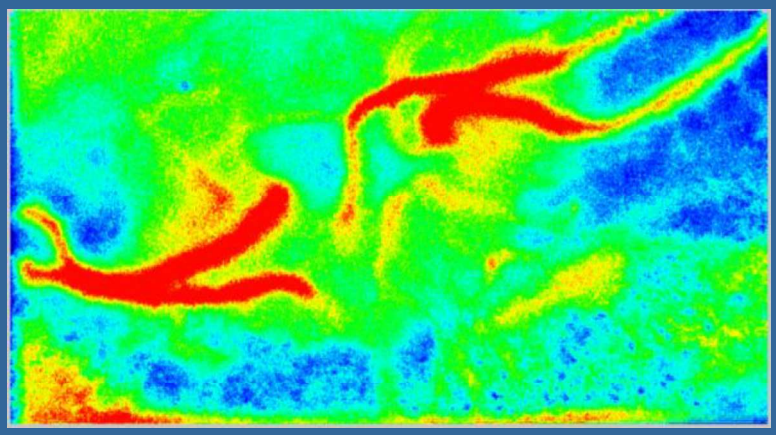
LSFG-LITE

Real-Time Observation of Blood Flow Change

for Rabbits, Monkeys and Pigs

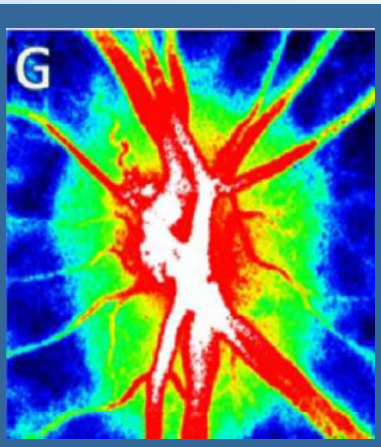
LSFG®

For the fundus of rabbits



An Albino Rabbit's ONH

For the fundus of monkeys



A Monkey's ONH [1)]

1) WANG, Lin, et al. Anterior and Posterior Optic Nerve Head Blood Flow in Nonhuman Primate Experimental Glaucoma Model Measured by Laser Speckle Imaging Technique and Microsphere Method. IOVS, 2012, 53.13: 8303-8309.

Specifications

Power		AC100-240V, 50/60Hz
Light Source	Type	Laser Diode
	Wave Length	830nm
	Class	1M or less (Based on IEC60825-1:2007)
Output Image	Resolution	700W × 480H Pixels
Measurement Time		Select between 1 to 10 sec
Personal Computer		Windows 10 (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 eye part.
- Do not direct beam to the telephoto optical system because it might injure the eye

Manufacturer: Softcare Co., Ltd.

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