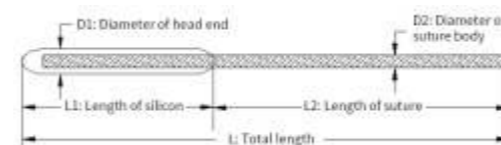
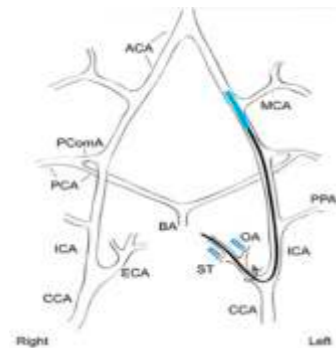




MCAO Sutures

RWD MCAO suture utilizes high-quality nylon thread to induce ischemic stroke model. The within-group variation of stroke models can be maximally reduced by the super smooth surface and evenness of RWD suture. And without rupturing the vesicle, RWD suture makes its insertion into the animal brain much easier. The stability is also greatly increased for the cerebral ischemia modeling and more consistent data. RWD sutures are available in nylon monofilament material, diameters of silicone-rubber coated part range from 0.19mm to 0.44mm; Length of suture from 2-3cm.



- ★ L1 in mouse suture: 3~4mm
- ★ L1 in rat suture: 5~6mm
- ★ L1 could be customized: 2~8mm

Features:

- It adopts high-quality nylon thread with very good flexibility, not easy to puncture blood vessels, which increase the success of stroke model development.
- Ensure high uniformity and stability of the MCAO model.
- Silicone-rubber coated in tip, greatly reduce the risk of puncturing blood vessels.
- The line is marked with black dots, increased the observability during plugging into the blood vessel.

Order Information:

No.	Model	Diameter of Head end D1 (mm)	Diameter of suture body D2 (mm)	Total Length L (mm)	Animal's weight (g)	Packing (pcs)	
1	MSMC19B110PK50	0.17-0.19	0.10	30	15-20g	50	Mouse
2	MSMC21B120PK50	0.20-0.21	0.12	30	21-25g	50	
3	MSMC23B120PK50	0.22-0.23	0.12	30	26-30g	50	
4	MSMC25B150PK50	0.24-0.25	0.15	30	31-35g	50	
5	MSMC26B150PK50	0.25-0.26	0.15	30	>35g	50	
6	MSRC32B200PK50	0.31-0.32	0.20	40	<200g	50	Rat
7	MSRC35B200PK50	0.33-0.35	0.20	40	200-250g	50	
8	MSRC37B250PK50	0.36-0.37	0.25	40	251-280g	50	
9	MSRC40B250PK50	0.38-0.40	0.25	40	281-330g	50	
10	MSRC42B250PK50	0.41-0.42	0.25	40	331-400g	50	
11	MSRC45B300PK50	0.43-0.45	0.30	40	>400g	50	

Note: Customized service is available.

Fiber Photometry System Multi-channel & Dual Color Device

Aimed at detecting the activity change of neurons in the central nervous system in real-time, the fiber photometry sums up the overall fluorescence of neurons to express their overall activity without reflecting on the activity of individual neurons.

Based on the reference channel of 410 nm wavelength, RWD Fiber Photometry System adopts 470 nm and 560 nm dual-wavelength excitation reducing the background noise effectively. The significance of the reference channel lies in increasing self-control, reducing spontaneous fluorescence, eliminating signal artifacts caused by animal's intense exercise and fiber winding, expressing two kinds of proteins at the same site, detecting levels of calcium change in different groups of neurons, and truly realizing the recording and analysis of dual-color fluorescence signals.



Features:

- With 410 & 470 & 560 three kinds of LED excitation light source, of which 410 is the reference channel, the fluorescence signal acquisition is more accurate.
- It can support up to 7 channels, suitable for high-throughput calcium signal acquisition or simultaneous recording of multiple neural nucleus groups.
- When the external event is marked, the time is automatically input to achieve synchronous recording with behavioral video, and the external stimulus time synchronization accuracy is up to 10ms.
- The software presets four LED excitation output modes, which can be applied to different experimental application scenarios.
- High performance and lowThe noisy CMOS camera can collect calcium fluorescence signals of multiple channels and multiple wavelengths at the same time.
- Integrated output port and pull-top cover design make the experimental fluorescence signal path less disturbed by the external environment and easy to operate.



Parameter item	Specification
Frame Rate of CMOS	5~40 FPS
Camera CMOS camera resolution	1920*1200
Megapixels	2.3 MP
Exposure time setting range	1~100 ms
Fluorescence band	499-529 nm 581-618 nm
Central wavelength of excitation light	410 nm、470 nm、560 nm
LED power adjustable percentage	0~100%
Fluorescence detection mode	Four modes are optional, i.e. CNST、TRG1、TRG2、TRG3
410nm LED Output Power Range	0~300 μW
470nm LED Output Power Range	0~180 μW
560nm LED Output Power Range	0~90 μW