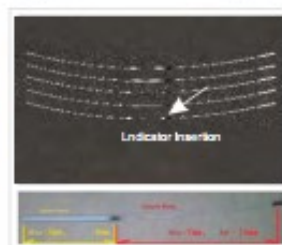
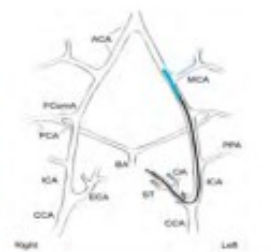


MCAO Sutures ▶

To meet the need for novel therapeutic approaches, experimental stroke research frequently employs rodent models of focal cerebral ischaemia. Proximal occlusion of MCAO via the intraluminal suture technique (so called Middle Cerebral Artery Occlusion filament or suture model) is probably the most frequently used model in experimental stroke research. A silicon coated filament is introduced into the common carotid artery and advanced along the internal carotid artery into the Circle of Willis, where it blocks the origin of the middle cerebral artery. Therefore, MCAO Sutures are the key materials for the stroke modeling on rats, mice and other animals.

RWD MCAO suture utilizes high-quality silicon rubber-coated monofilaments 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 vessel, 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 0.21 mm to 0.50 mm; Length of suture from 3-5cm.



Specifications:

1. Soft silicon rubber-coated monofilaments effectively reduced the occurrence of the insufficient occlusion by increasing the suture dimension but not rigidity. This results the blood vessel to be completely occluded and ensures the success of cerebral ischemia modeling.
2. Surgeon can easily sense the inserting resistance when reach its targeted position, because of the softness of RWD suture. Insert the suture until the position close to the bifurcation of external carotid artery and carotid artery show in the picture.
3. RWD suture has been ultraviolet sterilized thoroughly, therefore, it can be use directly upon open the package.
4. The suture can be customized according to specific demands.

Order Information:

No.	Specification	Diameter of Head end (mm)	Diameter of suture body (mm)	Length (cm)	Animal' s weight (g)	Packing (pcs)	
1	MSMC21B102PK50	0.21±0.02	0.102	3	19-20.5	50	Mouse
2	MSMC21B102PK100					100	
3	MSMC22B104PK50	0.22±0.02	0.104	3	20.5-22	50	
4	MSMC22B104PK100					100	
5	MSMC23B104PK50	0.23±0.02	0.104	3	22.5-24	50	
6	MSMC23B104PK100					100	
7	MSMC24B104PK50	0.24±0.02	0.104	3	24-26	50	
8	MSMC24B104PK100					100	
9	MSMC25B104PK50	0.25±0.02	0.104	3	26-29	50	
10	MSMC25B104PK100					100	
11	MSMC27B104PK50	0.27±0.02	0.104	3	30-35	50	
12	MSMC27B104PK100					100	
13	MSRC35B235PK50	0.35±0.03	0.235	5	190-210	50	Rat
14	MSRC35B235PK100					100	
15	MSRC40B260PK50	0.40±0.03	0.26	5	235-255	50	
16	MSRC40B260PK100					100	
17	MSRC43B260PK50	0.43±0.03	0.26	5	270-280	50	
18	MSRC43B260PK100					100	
19	MSRC47B260PK50	0.47±0.03	0.26	5	300-310	50	
20	MSRC47B260PK100					100	
21	MSRC50B260PK50	0.50±0.03	0.26	5	350-400	50	
22	MSRC50B260PK100					100	

Note: Customized service is available.