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Standard Stereotaxic Instruments



Stereotaxic Instruments use a three-dimensional coordinate system to locate small targets in the brain, which help researchers do minimally invasive surgery in the neuroscience field, such as ablation, lesion, injection, stimulation and imaging etc. Based on its multifunction, it is widely applied in generating animals models such as Parkinson's disease, Epilepsy, Cerebral ischemia and Intracerebral Neoplasm etc. With the development of stem cell research, transplantation of stem cells, neural stem cells or their differentiated progenitors/ neurons into brain certain areas also depend on the accuracy of the stereotaxic surgery.

Specifications

- Adaptors available for use with rats, mice, birds, cats, dogs, monkeys, rabbits, geckos, guinea pigs and other species.
- Working distance for each 3-dimension is 80mm width
- precise alignment to 0,1mm resolution.
- Vertical direction: 180° rotation and lock at any angles.
- Horizontal direction: 360° rotation and lock at any angles.
- Laser engraved scales, darken rod and open U-shape frame make numerals easy to read.
- Dual-lead screws ensure stable and accurate manipulation.
- Maintain accuracy and flexibility at different temperatures.
- The surface of base of frame are coated with manufacturer applied treatment that resists stains and wearing.
- Available the extended base plate (400mm x 255mm) for various animals.
- The unique anti-clockwise mark engraved in the knob signifying vertical operation.
- Vertical lock and fixing knob are separated to ensure accurate position at any angle.
- Precise designed the lateral rotation operating space, the distance between knob and the Ushaped frame is 28mm.
- Curve design of nose clamp secures the head of the animals more steady.
- Use plate pressing rather than clamping in locking the Ear bar, to ensure stability.
- Syringe pump, microcamera and drill can be attached to the Stereotaxic instruments directly.



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Beyntellus 3 - B-2360 Oud-Turnhout - Tel. +32 (0)14 45 13 10 - admin@carfil.be - BTW BE 0420.681.872

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Configurations

Order No.	68U001	68U002	68U005	68U006	68U0012	68U0013	68U0037	68U0038
Base including U-Frame and Base Board 68U503	1	1	1	1	1	1	1	1
Mainp. 3 AXES, LH (incl. two screws) 68U401	1	1	1	1	1	1	1	1
Mainp. 3 AXES, RH (incl. two screws) 68U402		1		1		1		1
Rat Adaptor-Nose clamp 68U021	1	1	1	1				
Mouse Adaptor 68U010					1	1		
Mouse/ Neonatal Rat Adaptor (18° and 45° Ear bars) 68U030							1	1
Ear Bars, Pairs, RAT 18° 68U301	1 pair	1 pair						
Ear Bars, Pairs, RAT, 45° 68U302			1 pair	1 pair				
Probe Holder Corner 68U201	1	2	1	2	1	2	1	2

Order No.	Product description
68U001	Stereotaxic for rat, SGL, Manip 18 Deg. Ear Bars
68U002	Stereotaxic for rat, Dual, Manip 18 Deg. Ear Bars
68U005	Stereotaxic for rat, SGL, Manip 45 Deg. Ear Bars
68U006	Stereotaxic for rat, Dual, Manip 45 Deg. Ear Bars
68U037	Stereotaxic for mouse, SGL, Manip w/Neonatal Rat Adaptor 68U030
68U038	Stereotaxic for mouse, Dual, Manip w/Neonatal Rat Adaptor 68U030
68U043	Stereotaxic for Mouse, SGL M, 68U055 Adaptor included, 60°
68U044	Stereotaxic for Mouse, DUAL M, 68U055 Adaptor included, 60°
68U535	Stereotaxic for Mouse, SGL M, 68U077 Adaptor included, 60°
68U536	Stereotaxic for Rat, SGL M, 68U078 Adaptor included, 18°
68U861N	Stereotaxic base plate, standard



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