

Technical Specifications for Digital Stereotaxic Instrument for Rodents

1. The system should be compact, can be used on a table-top, or other challenged work areas with limited space.
2. Should be designed for rodents weighing less than 1.5kg.
3. System should be accompanied with a digital display allowing real-time coordination and precision of coordinates for all three axes with minimum 10 μ m resolution.
4. Adaptors must be provided for use with rats and mice.
5. Working distance for each 3-dimension must be 70-90 mm with minimum precise alignment to 0.1mm resolution.
6. Vertical stereotaxic arms must have 180° rotation and lock at any angles.
7. Horizontal stereotaxic arms must have 360° rotation and lock at any angles.
8. Vertical and horizontal operations must be effortless.
9. Vertical lock and fixing knob must be separated to ensure accurate position at any angle.
10. Scaling on arms must be well engraved and easy to read.
11. Screws must ensure stable and accurate manipulation.
12. System must maintain accuracy and flexibility at different temperatures.
13. The surface of base and frame must be treated for stain resistance and wearing.
14. System must be designed with sufficient lateral rotation operating space, the distance between knob and the frame must be minimum of 25mm.
15. Nose clamp must secure the head of the animals steadily with vertical and horizontal adjustments.
16. Ear bars must be non-traumatic with well engraved scales.
17. The system must be electrically grounded.
18. Syringe pump, micro-camera and drill can be attached to the Stereotaxic Instrument directly.
19. The instrument should have warranty period of minimum 3 years from the date of installation.
20. Quoted model should be CE certified & manufacturer should be ISO 9001-2000 company.

Additional Accessories Required

The system should be provided with accessories including:

1. An extended base plate adapted for rat and mice.
2. A rat and mice nose adaptor.
3. A mice suitable ear bars.
4. An extra pair of Rat ear bars.

The specifications should be authenticated by brochures and company website/catalog. Technical catalogue or brochure of the model must be provided. Instant preparation of the same based on the specifications provided and its onward submission will disqualify the bidder without any further communication.

If the need be, the qualifying bidders may be required to place the demo model of the quoted equipment in the Department for testing the efficiency of the equipment. Based on the efficiency and the results obtained the technical committee may further disqualify the vendors and shortlist the vendors whose financial bid will then be opened.