

Harvard/ASI Advanced Small Animal Stereotaxic (SAS) Systems



- Open C-shaped frame provides greater access to animal
- Two different levels of micromanipulator resolution: 10 μm or 50 μm readability
- Calibrated knobs with either 1 or 3 mm of linear travel per revolution
- Single (right-hand) or dual micromanipulator systems
- Three different micromanipulator mounting points AP slide gives an additional 80 mm of AP flexibility
- Systems supplied with species specific ear bars and head holder
- System components all available separately

The Advanced SAS Systems feature a 30.1 x 40.6 cm (12 x 16 in) aluminum base. The extra wide, precision ground base provides the stability needed for the stereotaxic placement of microprobes at defined coordinates. The rounded edges and corners of the base provide comfort to the user. These stereotaxic systems also feature the unique open C-shaped SAS stainless steels frame design which provides greater access to the animal. The frame base has four rubber feet to eliminate table top movement.

The AP bars are standard 18.7 mm square bars with 100 mm of calibrated markings for course AP positioning of the micromanipulator. A long base with 150 mm of AP bar calibrations is also available. The frame uses the standard 3 point fixing technique (ear and incisor bars) that permits precise placement of electrodes, probes and canulae with reliable repeatable results. The head holders have 30 mm of travel for precise dorso-ventral stereotaxic alignment.

Two different micromanipulators are available for the Advanced SAS system. The Advanced I micromanipulator has 10 μm readability and 1 mm travel per revolution of the lead screw. The Advanced I has 70 mm of travel in the ML and DV planes and 30 mm of travel in the AP plane. The Advanced II also has 10 μm readability and 1 mm travel per revolution of the lead screw. The Advanced II has 150 mm of travel in the ML and DV planes and 80 mm of travel in the AP plane and is therefore best suited to larger stereotaxic frames. Movement of the micromanipulator on the calibrated AP bar adds an additional 100 or 150 mm of course AP adjustment. Each micromanipulator is also supplied with a standard electrode holder. These micromanipulators are also available in models with fine AP travel or without tilt-and-swivel for more information.

All Advanced SAS systems are supplied complete with an precision machined aluminum base, INT/ADV stereotaxic frame (short or long), species specific head holder and ear bars and either one or two micromanipulators. Other accessories are available for more details.

Harvard/ASI Advanced Small Animal Stereotaxic System Configurations

Catalog No.	Model	No. of Manipulators	Course AP Travel	Base		For Species	
				Standard	Long	Rat	Mouse
CGS 8125.74	ADV-I-1-R	1	80 mm	•		•	
CGS 8126.74	ADV-I-1-M	1	80 mm	•			•
CGS 8127.74	ADV-I-2-R	2	80 mm	•		•	
CGS 8128.74	ADV-I-2-M	2	80 mm	•			•
CGS 8129.74	ADV-II-1-R	1	80 mm	•		•	
CGS 8130.74	ADV-II-1-M	1	80 mm	•			•
CGS 8131.74	ADV-II-2-R	2	80 mm	•		•	
CGS 8132.74	ADV-II-2-M	2	80 mm	•			•
Descontinuado CGS 8133.74	ADV-I-1-RL	1	150 mm		•	•	
Descontinuado CGS 8134.74	ADV-I-2-RL	2	150 mm		•	•	
Descontinuado CGS 8135.74	ADV-II-1-RL	1	150 mm		•	•	
Descontinuado CGS 8136.74	ADV-II-2-RL	2	150 mm		•	•	