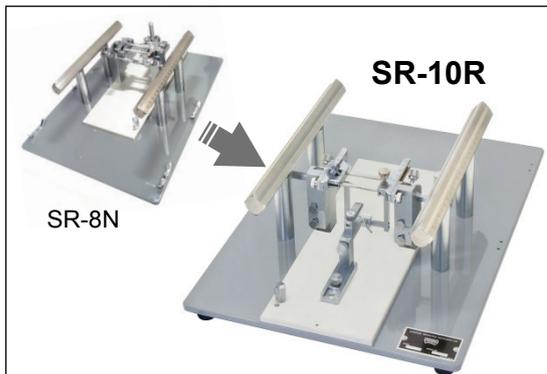


## Chronic/Behavioral Experiments on Rats with the NEW SR-10R



The SR-10R Stereotaxic Instrument (for Chronic Experiments on Rats) is the successor to model SR-8N. It includes the new chamber and chamber fixing mechanism. These have been thoroughly redesigned to facilitate each work process in preparation (fixation of chamber), training (operant learning) and recording (behavioral/physiological experiments).

By initially fixing the Chamber Frame to the head of a rat in the stereotaxic instrument, the rat being in an awake state can be brought back to stereotaxis repeatedly and quickly.

This issue of NARISHIGE WEB NEWS focuses on the SR-10R.

### Chamber Frame

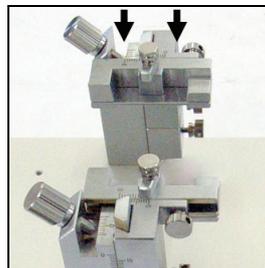


The previous Head Fixing Frame was provided with pipes. The pipes are fixed to the head of a rat to connect to the guide block when the rat is placed and returned to the stereotaxic instrument. The guide block is not light enough for a rat to be free from burden and stress.

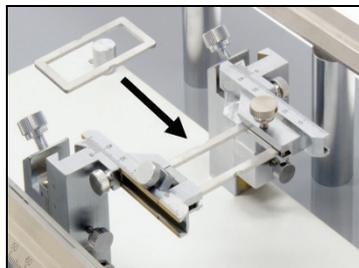
The newly introduced Chamber Frame is made of stainless steel. The Chamber Frame is compact, thin, lightweight and absolutely helps diminish stress on the head of the rat. It also provides less chance of conflict with lens and multiple electrodes in the experiments. The Chamber Frame is available at an affordable price.

※The Chamber Frame can be customized for different shapes and different sizes of openings.

### Fixing Parts



Fixing Part of SR-8N



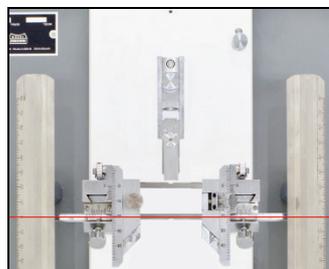
Fixing Part of SR-10R

The fixing part of SR-8N receives the Head Fixing Frame (with pipes connected) from above. Therefore, you need to keep the rat elevated when connecting. Then adjust the position of the Head Fixing Frame to hold it in order to tighten the fixing screws.

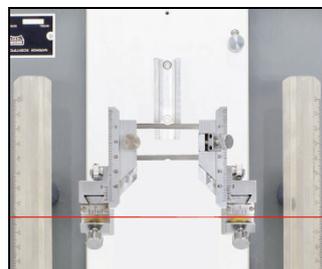
The fixing part of the SR-10R is designed to allow the Chamber Frame to slide in and be guided to the fixing part. The main fixing knob provided with the fixing part obliquely fastens the Chamber Frame simply but firmly.

The fixing part is also provided with a sub fixing knob which helps fix the Chamber Frame more firmly when your experiment demands it.

### Recording



Zero Position



40mm Anterior

After fixation of the Chamber Frame is completed, remove the auxiliary ear bar, ear bars and mouth/nose clamp. These are used for three-point fixation whereby the Chamber Frame fixing part can now be moved forward (by 40mm maximum.)

In the space created in front of the rat, arrange your devices and camera to work on visual experiments and experiments on whiskers and operant behavior.

SR-10R has ingenuity to facilitate repeated fixation of a rat and will be an asset to your experiments. Please feel free to contact us for further details.

**If you have any questions or need further information, please contact us.**