Naziv uređaja Digitalni stereotaksični instrument za pacove	**Apparatus** Digital Lab Standard Stereotaxic Instrument for Rat
Proizvođač i model/The manufacturer and model Stoelting, Ireland, Model 51900	
Kratak opis metode Uredjaj je namenjen za izvodjenje stereotaksije. Ova tehnika omogućava precizno lociranje dubokih struktura unutar mozga korišćenjem stereotaksičnog atlasa, koji pruža 3D koordinate svakog regiona mozga u odnosu na anatomske orijentire na lobanji. Nakon pripreme, anestezirane životinje se postavljaju na stereotaksični ram koji omogućava precizno plasiranje eksperimentalnih alata na zadate koordinate. Stereotaksična hirurgija je svestran pristup koji se može koristiti za generisanje lezija, manipulisanje ekspresijom gena ili primenu lekova/eksperimentalnih supstanci u mozak.	**Short description of the method** The device is intended for performing stereotaxis surgery. This technique allows researchers to accurately target deep structures within the brain through the use of a stereotaxic atlas, which provides the 3D coordinates of each area with respect to anatomical landmarks on the skull. After the skull is exposed, anesthetized animals are mounted on a specialized instrument known as a stereotaxic frame, which enables the precise placement of experimental tools at the defined coordinates. Stereotaxic surgery is a versatile approach that can be used to generate lesions, manipulate gene expression, or deliver drugs/experimental agents to the brain.
Tehničke karakteristike Digitalni stereotaksični instrument za pacove uključuje 3 ose, ručicu za manipulaciju, držač za nos, držače za uši (18°) i nosač sonde. Manipulatore sadrži elektronske senzore prikačene na sve tri ose. Tačnost merenja je 10 mikrona, u sva tri pravca. Pokreti se prate putem velikog, lako čitljivog displeja rezolucije 10 mikrona.	**Technical characteristics** Stoeltings digital Stereotaxics includes a 100 micron 3-axes, left-hand manipulator arm, rat adaptor with nose holder, traditional (18°) ear bars and corner clamp probe holder. Stoeltings digital Stereotaxics have sealed electronic sensors attached to each axis of the manipulator arm. Measurements are accurate to 10 microns in all three directions. Movements are monitored by a large, easy-to-read display module, with resolution as precise as 10 microns.
Primena i tip uzorka Koristi se za precizno plasiranje kanile/elektorde/sonde za mikrodijalizu u određeni region mozga pacova.	**Application and sample type** It is used for implantation of cannulae/electode/microdyalisis probe into specific brain regions.
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Link ka uređaju na sajtu proizvođača / Link of the product on the manufacturer's website https://www.stoeltingco.com/neuroscience/stereotaxic/rat/stoeltings-digital-lab-standard-stereotaxic-instrument-294.html	