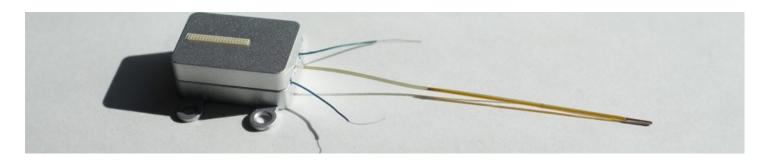


rDBSA

neuronexus.com



The NeuroNexus **rDBSA** (research deep brain stimulation array) is the research-grade version of an innovative clinical DBS technology.

Acute or Chronic - The rDBSA is available in both acute and chronic versions.

High Resolution - Our 40-channel design enables precise, selective recording, and tunable microstimulation of deep brain structures.

Small Animal - We also offer a rat-sized rDBSA designed in collaboration with Daniel Ehrens at Johns Hopkins University.



SPECIFICATIONS

Electrode Site Material	Platinum
Substrate Material	Polyimide
Lead Diameter	0.75 mm
Penetration Length	up to 45 mm
Electrode Contact Shape	Elliptical
Channel Count	32 stimulating, 8 recording (total 40)

CONNECTOR PACKAGE

32 Channels - Omnetics NPD36 connector; choose a subset of 32 channels. typically the 32 stimulation channels

40 Channels - Flex40: access all 40 channels

Rat DBSA- Omnetics NPD18 connector