



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