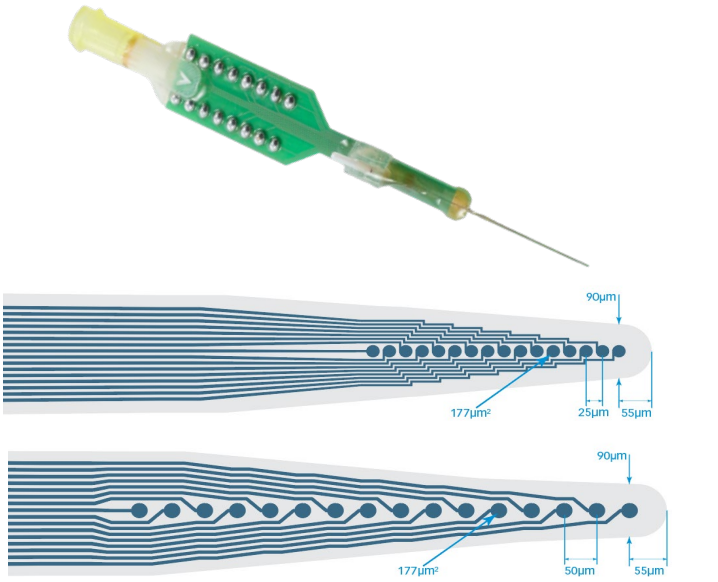
NeuroNexus
Drug Delivery Probe

Introducing Our Drug Delivery Probe For Multi-Modal Electrophysiology:

- Integrates surface microelectrode arrays with fluidic tube
- Available packages for simultaneous drug delivery, electrophysiology recording/ stimulation, and optogenetics
- Features fluid delivery port at probe tip
- Compatible with standard Luer-Lock fittings for seamless connection to external injection pump

Advantages

- **Single-insertion:** record/stimulate at the injection site without having to move the cannula
- **Multi-modal:** simultaneous electrophysiology before, during, or after drug/fluid delivery
- **Luer lock connection**: simple, standard interface with most syringe pumps
- **Diverse applications:** suitable for acute/ chronic use; optogenetics-enabled



Specifications

Electrode Site Material	Platinum, Iridium, Pedot
Total Probe Thickness	≈ 250 µm Stainless steel (OD: 230 µm, ID: 100 µm)
Fluidic Port	Stainless steel (OD: 230 µm, ID: 100 µm)
Fluidic Port Tip Angle	90° (Standard), 45° (Custom)
Implantable Length	10-20 mm
Electrode Coverage	1.5 mm
Channel Count	16 or custom
Available Packages	D16, DM16, OD16LP, ODM16LP

Customizable Options

Both electrode array design and fluidic port are customizable

- Electrode site layout, site size, and channel count
- Implantable length from 10-20 mm
- Device can be augmented with an optical fiber
- Fluid exit at the tip (standard) or elsewhere along the array

Contact us for your customization needs!

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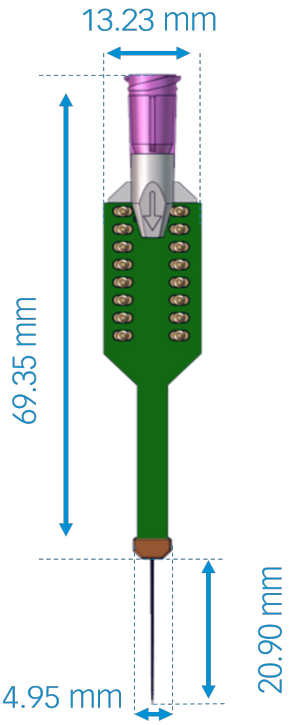
NeuroNexus

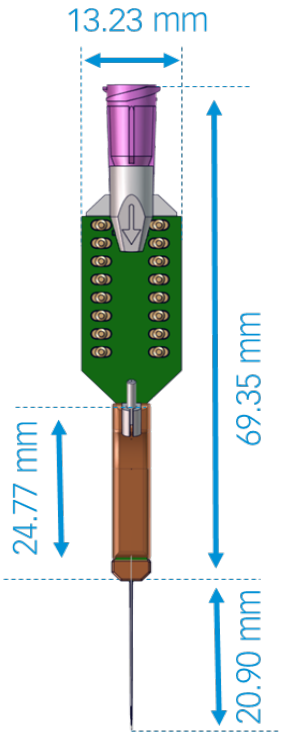
Drug Delivery Packages

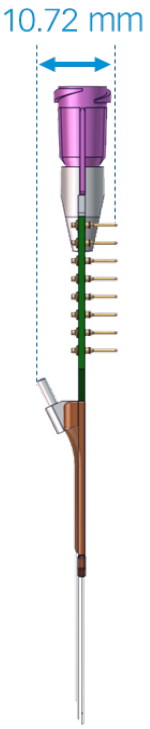
D16

Weight: 1.39 g



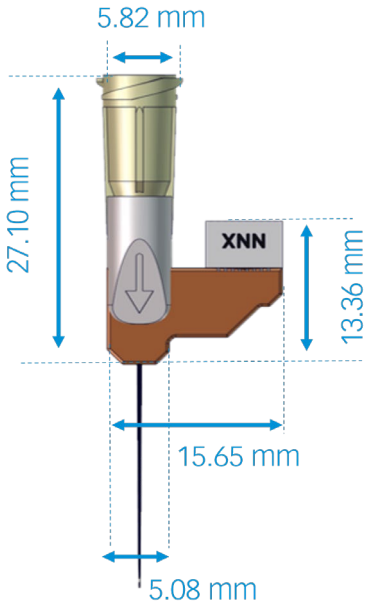
OD16LP



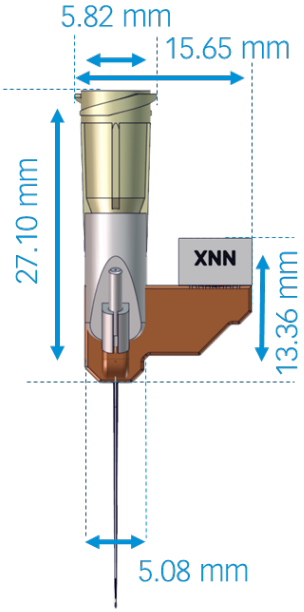


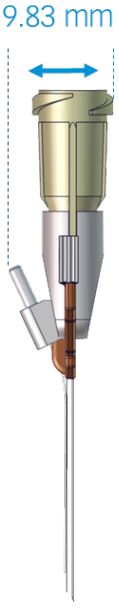
DM16LP

Weight: 0.40 g



ODM16LP





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