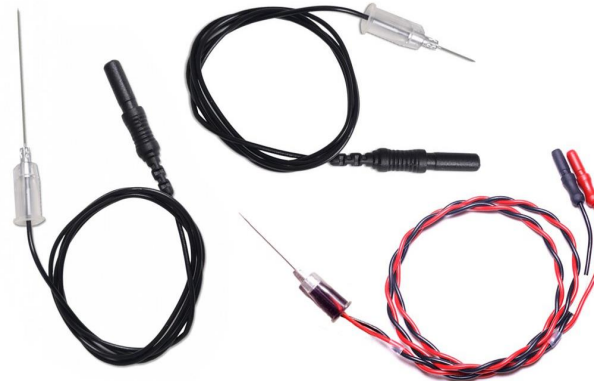


EL450 SERIES NEEDLE ELECTRODES



EL450 Series (L to R): EL450, EL452, EL451

Unipolar and Concentric Bipolar Needle Electrodes

Use these stainless steel needle electrodes for stimulation or recording in animal subjects and tissue preparations.

EL450 37 mm x 26g Teflon coated unipolar needle electrode with 61 cm lead

EL451 25 mm x 30g Teflon coated concentric bipolar electrode with 91 cm lead

- Disposable PTFE coated stainless steel needle electrodes have a super-flexible PVC insulated leadwire ending with a standard touch proof connector.
- Teflon coated needle electrodes are fully insulated, with a clear Teflon overcoat, except for the conductive needle tip. The coating prevents the needle from making contact with the subject except at the very tip of the needle, which is exposed.
- For applications that require better contact between the electrode and the subject to record a good signal, abrade the needle to remove the Teflon coating.

EL452 12 mm x 28g unipolar needle electrode with 61 cm lead

- Disposable uncoated (no Teflon) stainless steel ground reference needle electrodes have a super-flexible PVC insulated leadwire ending with a standard touch proof connector.

Needle electrodes are shipped non-sterile, so pre-sterilization is required.

Suggested Use

- When recording from a single site (e.g., studies of individual muscle fibers), use one EL451 electrode plus one EL452 ground electrode.
- For general-purpose recording (e.g., ECG), use a pair of EL450 or EL452 electrodes, plus one EL452 ground electrode.
- For stimulation, use a pair of EL450 or EL452 electrodes.

Interface Notes

Research System Users: CBL201 is required for connection to older model 100A/100B-series amplifiers or STMISOA/B.

Education System Users: Use SS1LA, BSLCBL8, or BSLCBL9 to interface the MP3X data acquisition unit.