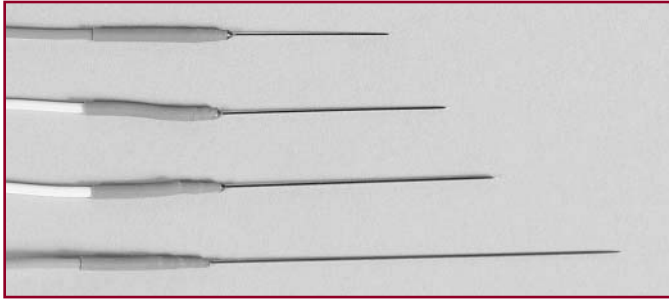


NEEDLE ELECTRODES

Monopolar Needle

Disposable

Teflon coated for easy insertion and patient comfort. The needle point is conically sharpened. The exposed needle tip serves as the recording area. The low profile hub was designed for patient comfort. Individually sealed - pre-sterilized, ready for use. Each needle is attached to a color-coded .75m (30") lead cable ending in a 1.5mm connector. 25 needles per box. **SINGLE PATIENT USE ONLY.**



Length	Needle Diameter	Gauge	Wire Color	Part No.
20mm (.8")	.30mm	29G	Red	102121
30mm (1.2")	.35mm	28G	Yellow	102131
40mm (1.6")	.40mm	27G	White	102141
60mm (2.4")	.40mm	27G	Blue	102161

Reusable

A Teflon coated needle with 0.8mm (0.03") of the tip exposed. The point is grinded to a 10 degree inclusive angle. The electrode is connected to a 1 meter (40") flexible silicone cable (1.5mm connector). The electrodes can be steam autoclaved. Autoclave temperature should not exceed 140°C (284°F). They can also be ethylene oxide gas (EtO) sterilized. Sold individually.

Length	Needle Diameter	Gauge	Wire Color	Part No.
20mm (.8")	.30mm	29G	Red	102221
30mm (1.2")	.35mm	28G	Yellow	102231
40mm (1.6")	.40mm	27G	White	102241
60mm (2.4")	.40mm	27G	Blue	102261

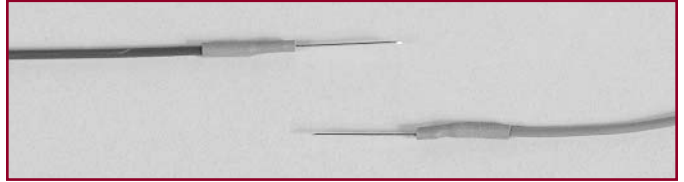
Sterilization Instructions

To help ensure patient's safety, prevent cross infection and provide effective service, the electrodes must be properly cleaned with the purpose to remove all organic material and soil, before they are packed for sterilization. The electrodes can be steamed autoclaved. The autoclave temperature should not exceed 140°C (284°F). The electrodes can also be ethylene oxide gas (EtO) sterilized.

Subdermal Needle

Disposable

Each stainless steel needle is 13mm (.51") in length, .40mm (27G) in diameter and end in a 1.5mm connector. Coded leads (red, green, white, blue and yellow). Each electrode is individually packaged and pre-sterilized. **SINGLE PATIENT USE ONLY.**



Description	Part No.
1m (25/box)	102516
1m (10/pkg)	102515
1.5m (25/box)	102517
2m (25/box)	102518
2.5m (25/box)	102519

Reusable

Each subdermal needle is 13mm (0.51") in length, and is available in two materials: stainless steel or platinum-iridium. Each needle is 13mm (0.51") in length, 0.4mm (27G) in diameter. The multi-colored silicone wires are available in two lengths 1m or 1.5m.

Platinum/Iridium

Description	Part No.
1m (6 pcs)	102520
1m (12 pcs)	102521
1.5m (6 pcs)	102524
1.5m (12 pcs)	102527

Stainless Steel

Description	Part No.
1m (6 pcs)	102522
1m (12 pcs)	102523
1.5m (6 pcs)	102526
1.5m (12 pcs)	102529

To Order Call 1-800-456-5205

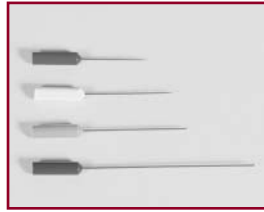
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NEEDLE ELECTRODES

Concentric Needle

Disposable

The gold-plated needle, in combination with a platinum-iridium electrode wire, assures that slightest change in muscle activity is registered. For easy insertion and improved patient comfort, the needle design incorporates an ultra-sharp point. A new ergonomically designed coaxial hub containing an orientation-free (360) "Slide-in" connector assures a solid and secure mechanical and optimal electrical connection between the needle and the cable. Sold in a box of 25. *SINGLE PATIENT USE ONLY.*



Length	Needle Diameter	Gauge	Wire Color	Part No.
20mm (.8")	.40mm	27G	Red	102320
30mm (1.28")	.40mm	27G	Yellow	102330
40mm (1.6")	.45mm	26G	White	102340
50mm (2.0")	.45mm	26G	Green	102350
60mm (2.4")	.60mm	23G	Blue	102360

Reusable

The reusable concentric needle electrodes feature a platinum-iridium wire core located within a stainless steel cannula. The electrode head is designed as a sub-miniature coaxial plug, permitting quick connection that requires no orientation. Sold individually.

Length	Needle Diameter	Gauge	Wire Color	Part No.
20mm (.8")	.40mm	27G	Red	102420
30mm (1.28")	.40mm	27G	Yellow	102430
40mm (1.6")	.45mm	26G	White	102440
50mm (2.0")	.45mm	26G	Green	102450
60mm (2.4")	.60mm	23G	Blue	102460

Single Fiber Needle

A platinum recording surface is presented through a side port opposite to the cutting edge bevel, 5.0mm (0.2") from the needle tip. The position of the recording electrode is indicated by a white dot on the needle hub. The core of the electrode has a diameter of 25mm.

Length	Needle Diameter	Gauge	Wire Color	Part No.
25mm (1.0")	.40mm	27G	Brown	102625
40mm (1.6")	.45mm	25G	Black	102640

Concentric and Single Fiber Needle Cables

Required for use with our disposable or reusable concentric and single fiber needle electrodes. The cable is available in three different lengths and terminated into two connector options: DIN and 1.5mm.



DIN Cable

Description	Part No.
.75m (29") 1.5mm	302333
.75m (29") DIN	302335
1m (40") 1.5mm	302313
1m (40") DIN	302315
1.5m (60") DIN	302325



1.5mm Cable

Accessories

Sharps Container

The sharps containers are fully autoclavable and safety labeled. For disposable of needle electrodes.

- 1 Quart — 102001
- 2 Gallon — 102003



Needle Sharpening Kit

The sharpening kit is designed for accurate and uniform sharpening of reusable concentric and single fiber needle electrodes. It consists of two blocks bolted together at their sides. A 15 degree angle matches that of the needle's point and a 27 degree angle is for sharpening the facets of the needle tip. The kit contains one clear plastic needle holder, magnifying lens and an Arkansas whetstone. **102000**

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To Order Call 1-800-456-5205

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