

INSTRUCTION FOR USE

IOM Electrodes Twisted Paired Needle

DESCRIPTION

The TPN-F electrode permits monitoring of bio-electrical potentials with low electrode impedance. It is designed to help improve signal quality in electrically hostile environments such as the OR and ICU. The special 3 Facetted needle bevel of the needle permits easy penetration of the skin. The conduction lead is constructed of kink-resistant wire that is attached to a standard DIN 42082 connector. The electrode is a disposable device.

INDICATIONS

This needle electrode is indicated in patients who require serial recording or continuous monitoring of electrophysiological activity such as the electroencephalogram or evoked responses from the visual, auditory, or somatosensory systems. Placement of the electrode is best tolerated by anesthetized, narcotized, or comatose patients.

PRECAUTIONS

The needle electrode should be connected only to electrically grounded equipment approved for medical and hospital use. The electrode should be used with appropriate caution in patients who are at high risk for bleeding and infection. Prior testing of hemostasis function is advisable in patients who may have bleeding disorders related to underlying disease, anticoagulant or anti-platelet drugs. If electrodes are left in place in excess of four hours, regular inspection of each puncture site for signs of infection is indicated. TPN-f electrode is NOT intended to re-use.

DIRECTIONS FOR USE

Check the expiration date on the electrode packaging and verify that the sterilized packaging is intact. Follow local site procedures and discard any packages that have expired, or are not sealed and intact. Inspect electrodes for wear or damage prior to use. If electrode wire, termination, or surface area is worn, discard the electrode following approved procedures for disposal of medical sharps. The skin should be cleansed with antiseptic solution. Refer to your anatomical guides as appropriate, locate the desired insertion point and insert the needle into the muscle smoothly to the desired depth to place into the target muscle. The DIN 42082 connector is plugged into the appropriate input channel of the electrical recording equipment. The electrode should be discarded after use. Use small pieces of tape to secure the needle at the insertion site and against the skin to minimize any movement of the lead cable during testing. This helps to minimize signal artifact and noise.

HOW SUPPLIED

Sterile packages of 3, or 12 electrodes, with 200 cm leads in assorted colors.
Manufactures exclusively by SGM.