



Subdermal Needle Electrodes

Friendship Disposable Subdermal Needle Electrodes collect bioelectric signals (EEG, ECG and EMG) from different parts of the body during clinical examinations, treatments and surgery. They are designed to provide accurate measurements with low noise and impedance levels.

Friendship Subdermal Needle Electrodes are designed for security and reliability and can pick up signals easily and safely even when placed directly on the scalp. Furthermore, with the ultra-sharp tip there is a low penetration resistance.

Friendship Europe offers a large selection of Subdermal Needle Electrodes in varying sizes, shapes, wire colors and lengths. However, if you require a product specification not shown in our standard assortment, please contact our sales office. Our representatives will be happy to discuss your requirements and where possible find a solution.

Please be aware that not all product variants are for sale in all countries.



Single Subdermal Needle Electrode

Friendship Disposable Single Subdermal Needle Electrodes are used in connection with EEG, EP and IOM. The needle tip is designed for smooth penetration and easy repositioning.

- Individually packaged
- Sterile
- Single patient use only

Single Subdermal Needles

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1040	NE-S-1500/7/0.35	0.35 mm	7 mm	150 cm	6 color	1.5 mm TP	24 pcs
1012-1	NE-S-2000/17/0.35	0.35 mm	17 mm	200 cm	6 color	1.5 mm TP	24 pcs
1043-1	NE-S-1500/20/0.35	0.35 mm	20 mm	150 cm	Green	1.5 mm TP	24 pcs
1010	NE-S-1000/13/0.4	0.40 mm	13 mm	100 cm	6 color	1.5 mm TP	24 pcs
1011	NE-S-1500/13/0.4	0.40 mm	13 mm	150 cm	6 color	1.5 mm TP	24 pcs
1011-4	NE-S-1500/13/0.4	0.40 mm	13 mm	150 cm	12 color	1.5 mm TP	24 pcs
1012	NE-S-2000/13/0.4	0.40 mm	13 mm	200 cm	6 color	1.5 mm TP	24 pcs
1013	NE-S-2500/13/0.4	0.40 mm	13 mm	250 cm	6 color	1.5 mm TP	24 pcs
1043	NE-S-1500/23/0.4	0.40 mm	13 mm	150 cm	6 color	1.5 mm TP	24 pcs
1042	NE-S-1500/17/0.45	0.45 mm	17 mm	150 cm	6 color	1.5 mm TP	24 pcs



Disposable Subdermal Needle Electrodes



Bent/Hook Subdermal Needle Electrode

Friendship Disposable Bent/Hook Subdermal Needle Electrodes are used in connection with EEG, EP and IOM. The hooked needle electrodes are designed for extra secure placement during the procedure.

- Individually packaged
- Sterile
- Single patient use only

Hook Electrodes/ Bent Subdermal Needles

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1011-3	NE-SSB-1500/13/0.4	0.40 mm	13 mm, 36 dg	150 cm	6 color	1.5 mm TP	24 pcs
1051-2	NE-SSB-1500/20/0.45	0.45 mm	20 mm, 90 dg	150 cm	6 color	1.5 mm TP	24 pcs



Scalp Subdermal Needle Electrode

Friendship Removeable Scalp Subdermal Needle Electrodes are used in connection with EEG and EP. The needle tip is designed for smooth penetration and easy replacement.

- Individually packaged
- Sterile
- Single patient use only

Scalp needles/ Removeable Subdermal Needles

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1111	SNW1535/1.0	0.35 mm	15 mm	8 cm	White	1 mm Male	120 pcs
1112	SNW1835/1.0	0.35 mm	18 mm	8 cm	White	1 mm Male	120 pcs
1115	SN1235/0.75	0.35 mm	12 mm	N/A	N/A	0.7 mm Male	40 pcs



Disposable Subdermal Needle Electrodes



Twisted Pair Subdermal Needle Electrode

Friendship Disposable Twisted Pair Subdermal Needle Electrodes are used in connection with EEG, EP and IOM examinations. Twisted Pair versions are typically used to reduce any noise interference.

- Individually packaged
- Sterile
- Single patient use only

Twisted Pair Subdermal Needle

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1022-8	NE-T-2000/17/0.35	0.35 mm	17 mm	200 cm	12 color	1.5 mm TP	12 pair
1022-9	NE-T-2000/19/0.35	0.35 mm	19 mm	200 cm	12 color	1.5 mm TP	12 pair
1022-10	NE-T-2000/7/0.35	0.35 mm	7 mm	200 cm	12 color	1.5 mm TP	12 pair
1028-1	NE-T-1500/20/0.35	0.35 mm	20 mm	150 cm	Red/Red	1.5 mm TP	12 pair
1028-2	NE-T-1500/20/0.35	0.35 mm	20 mm	150 cm	Blue/Blue	1.5 mm TP	12 pair
1028-3	NE-T-1500/20/0.35	0.35 mm	20 mm	150 cm	Pink/Pink	1.5 mm TP	12 pair
1028-4	NE-T-1500/20/0.35	0.35 mm	20 mm	150 cm	Green/Green	1.5 mm TP	12 pair
1022-4	NE-T-2000/23/0.35	0.35 mm	23 mm	200 cm	12 color	1.5 mm TP	12 pair
1024	NE-T-1500/7/0.4	0.40 mm	7 mm	150 cm	12 color	1.5 mm TP	12 pair
1020	NE-T-1000/13/0.4	0.40 mm	13 mm	100 cm	12 color	1.5 mm TP	12 pair
1021	NE-T-1500/13/0.4	0.40 mm	13 mm	150 cm	12 color	1.5 mm TP	12 pair
1022	NE-T-2000/13/0.4	0.40 mm	13 mm	200 cm	12 color	1.5 mm TP	12 pair
1022-6	NE-T-2000/13/0.4	0.40 mm	13 mm	200 cm	12 color (Pairs in same color)	1.5 mm TP	12 pair
1023	NE-T-2500/13/0.4	0.40 mm	13 mm	250 cm	12 color	1.5 mm TP	12 pair
1021-3	NE-T-1500/15/0.4	0.40 mm	15 mm	150 cm	12 color	1.5 mm TP	12 pair
1022-7	NE-T-2000/15/0.4	0.40 mm	15 mm	200 cm	12 color	1.5 mm TP	12 pair
1022-1	NE-T-2000/17/0.4	0.40 mm	17 mm	200 cm	12 color	1.5 mm TP	12 pair
1021-A	NE-T-1500/17/0.4	0.40 mm	17 mm	150 cm	12 color	1.5 mm TP	12 pair



Disposable Subdermal Needle Electrodes



3 Twisted Pair Subdermal Needle Electrode

Friendship Disposable 3 Twisted Pair Subdermal Needle Electrodes are primarily used for intraoperative monitoring, to reduce possible noise and artifacts throughout the examination.

- Individually packaged
- Sterile
- Single patient use only

3 Twisted Subdermal Needles

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1020-1	NE-T3-1000/20/0.3	0.30 mm	20 mm	100 cm	R,B,G	1.5 mm TP	24 pcs



2 Parallel/Flat Wire Subdermal Needle Electrode

Friendship 2 Parallel/Flat Wire Subdermal Needle Electrodes are primarily used in IOM examinations.

- Individually packaged
- Sterile
- Single patient use only

2 Parallel/ Flat Wire Subdermal Needles

Item No.	Part No	Needle Diameter	Needle Length	Lead Wire Length	Lead Wire color	Connector	Box
1044-1	NE-P-1500/7/0.4	0.40 mm	7 mm	150 cm	R,W	1.5 mm TP	24 pcs
1021-2	NE-P-1500/17/0.40	0.40 mm	17 mm	150 cm	R,B	1.5 mm TP	24 pcs
1045	NE-P-1500/17/0.45	0.45 mm	17 mm	150 cm	R,B	1.5 mm TP	24 pcs



Disposable Subdermal Needle Electrodes

Extension Cables for 1,5 mm TP Lead Wire

Order No	Part No	Cable Length	Cable Color	EQ side	Electrode side	Packing pr Box
1060	EW1000	100 cm	P1 or P2	1.5 mm TP	1.5 mm Femal	6 pcs
1061	EW1500	150 cm	P1 or P2	1.5 mm TP	1.5 mm Femal	6 pcs
1062	EW2000	200 cm	P1 or P2	1.5 mm TP	1.5 mm Femal	6 pcs

* **Color set P1:** (Red, Orange, Yellow, Green, Blue, Purple) **Color set P2:** (Black, White, Light Blue, Brown, Pink, Grey)



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