

## ELECTRO-CAP PRODUCTS

### CAPS

#### ■ Electro-Caps

Electro-Caps are an EEG electrode application technique. They are made of an elastic spandex-type fabric with recessed, pure tin electrodes attached to the fabric. The electrodes on the standard caps are positioned to the International 10-20 method of electrode placement. The medium Electro-Cap will fit approximately 65% of all patients over the age of 5. The small cap will fit primarily children from the ages of 2 to 5 years. The extra small cap will fit most children from 9 months to 2 years of age. Sizes in age are approximate; the patient should always be measured to determine proper cap size.



Product description	Part Number
Electro-Cap - Large (58-62 cm) (Blue) .....	E1-L
Electro-Cap - Large/Medium (56-60 cm) (Blue & Red) .....	E1-L/M
Electro-Cap - Medium (54-58 cm) (Red) .....	E1-M
Electro-Cap - Medium/Small (52-56 cm) (Red & Yellow) .....	E1-M/SM
Electro-Cap - Small (50-54 cm) (Yellow) .....	E1-SM
Electro-Cap - Small/Extra Small (48-52 cm) (Yellow & Green) .....	E1-S/XSM
Electro-Cap - Extra Small (46-50 cm) (Green) .....	E1-XSM

#### ■ Infa-Caps

Infa-Caps are similar to the regular Electro-Caps. These caps will fit newborn infants to babies about the ages of 9 to 12 months. Infa-Cap I has International 10-20 electrode placements. Standard Infa-Caps II and III have abbreviated electrode placements consisting of F1, F2, C3, C4, O1, O2, T3, T4, Cz and ground. Infa-Cap III can be used for recording premature babies by using E6 Disposable Sponge Disks on all of the electrodes.



Product description	Part Number
Infa-Cap I (42-46 cm) (Blue) (10/20 System) .....	I1-1
Infa-Cap II (38-42 cm) (Pink) (Modified System) .....	I1-2
Infa-Cap III (34-38 cm) (Brown) (Modified System) .....	I1-3

Smaller size Infa-Caps are available



## SUPPLIES



### ■ Electrode Board Adapter

The Electrode Board Adapter converts the EEG instrument from individual electrodes to the Electro-Cap. Each wire is color coded for easy identification. Once the EBA is plugged into the machine, a single plug connects the appropriate cap. Special and custom EBA's are available.

#### Product Description

Electrode Board Adapter  
(E.B.A) (Sockets) .....

#### Part Number

E2S



### ■ Body Harness

An adjustable elastic band that fastens around the patient's chest with Velcro. Cap straps attach the cap to the body harness. Proper use of the body harness will hold the cap securely in place reducing the possibility of movement artifact and high impedances.

#### Product Description

Body Harness (Large) (44-52 in.) ..... E3-L  
Body Harness (Medium) (30-44 in.) ..... E3-M  
Body Harness (Small) (21-30 in.) ..... E3-SM

#### Part Number



### ■ Quick Insert Electrode

A temporary electrode which will override the cap wiring in the event of a faulty electrode during a test. A Quick Insert Electrode may be placed into the mount of the faulty electrode and connected directly to the EEG machine until the cap can be properly repaired.

#### Product Description

Quick Insert Electrode (Socket) .....

#### Part Number

E4-S



### ■ Ear Electrodes

A pair of pure tin cup electrodes with a 48" (122 cm) lead wire and a female socket. A spring-clip back is used to hold the electrode in place.

E5-9S has 9mm electrodes

E5-6S has 6mm electrodes

#### Product Description

Ear Electrodes, 9mm (Sockets) ..... E5-9S  
Ear Electrodes, 6mm (Sockets) ..... E5-6S

#### Part Number



### ■ Disposable Sponge Disks

Foam circles with adhesive backing used on the forehead or on any other hairless areas. They keep the ECI Electro-Gel from spreading between the electrodes and absorb perspiration. It is recommended the disks be placed on FP1 and FP2 to prevent the cap from moving up on the forehead. Sponge disks are effectively used on infants due to the tenderness of the scalp and may assist in fitting the caps properly.

#### Product Description

Disposable Sponge Disks (pkg. of 100) ....

#### Part Number

E6



### Needles and Syringes

Blunted 16g needles for use with syringe. Used for dispensing gel into electrodes and for scalp preparation. It is recommended that the needles be discarded after each use according

#### Product Description

#### Part Number

Needle/Syringe Kit (2-16g blunted needles; 1 syringe) (sterile) .....	E7
Syringe (5cc) (Pkg. of 125) (sterile) .....	E7B
Special Blunted Needles (16g) (Pkg. of 100) (sterile) .....	E8B



### ECI Electro-Gel

ECI Electro-Gel has been specifically formulated for the use with Electro-Cap products. Other brands or types of gel may cause high electrode impedance and various types of electrode artifacts.

#### Product Description

#### Part Number

Electro-Gel (16 oz.) .....	E9
Electro-Gel (32 oz.) .....	E10
Electro-Gel (128 oz.) .....	E11



### Cap Straps

Replacement straps with buckles and snaps. Used to hold the caps securely in place by attaching to cap and body harness.

#### Product Description

#### Part Number

Cap Straps (Specify Large, Medium, Small, Extra Small) .....	E13
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### Bio-Potential Electrode

A recessed pure tin electrode with a 72" (183 cm) lead wire and female socket. Designed for extra electrode placements under the cap fabric on an occasional basis. May also be used in place of E21 Disk Electrodes where a recessed electrode is preferred by using an E6 Disposable Sponge Disk to hold the Bio-Potential Electrode in place.

#### Product Description

#### Part Number

Bio-Potential Electrode (Sockets) .....	E17S
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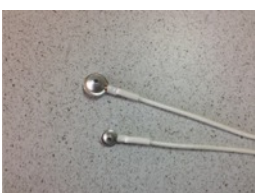
### Spare Electrode

Electro-Cap components sold separately for repair purposes.

#### Product Description

#### Part Number

Spare Electrode Disk .....	E19
Spare Electrode Mount .....	E20



### Disk Electrode

A pure tin cup electrode with a 48" (122 cm) lead wire and a female socket.

#### Product Description

#### Part Number

Disk Electrode, 9mm cup (Sockets) .....	E21-9S
Disk Electrode, 6mm cup (Sockets) .....	E21-6S



### ■ Chin Straps

Used as an alternative to the E3 Body Harness for situations such as ICU and ER. Effective with combative patients and those who feel restrained by the Body Harness. Straps secure the cap by fastening under the patient's chin with Velcro®. It is recommended that E24 Chin Strap Pads be used with the Chin Straps.

#### Product Description

Chin Straps 5" ..... E23-5  
Chin Straps 7" ..... E23-7

#### Part Number



### ■ Chin Strap Pads

Disposable sponge pads will provide extra comfort when using E23 Chin Straps.

#### Product Description

Chin Strap Pads (pkg. of 100) ..... E24

#### Part Number



### ■ Adhesive Electrode Pads

Foam pads with adhesive backing. Use with E21 Disk Electrode as an alternative to the E5 Ear Electrodes or virtually any additional electrode placement (i.e. eye, ECG, EMG etc.)

#### Product Description

Adhesive Electrode Pads  
(pkg. of 100)

..... E25

#### Part Number



### ■ Orange Sticks

Recommended for removing gel build-up from electrode disks and mounts. May also be used during routine washing procedures to aid in removing excess gel. Any objects that could scratch the metal electrode disks should not be used.

#### Product Description

Orange Sticks (pkg. of 100) ..... E26

#### Part Number



### ■ Disposable ECG Electrodes

Solid conductive membrane adheres electrode pads to all skin types and conditions, eliminating patient preparation. Electrode tab accepts E28 Alligator Clip Adapter.

#### Product Description

Disposable ECG Electrodes  
(pkg. of 100)

..... E27

#### Part Number



### ■ Alligator Clip Adapters

For use with E27 Disposable ECG Electrodes. Alligator clip with a 48" (122cm) lead wire and a female socket. Other plug or tip sizes are available upon request.

#### Product Description

Alligator Clip Adapter (pkg. of 2)  
(Sockets) .....

#### Part Number

E28S



### ■ Supplies for Infa Caps

#### Product Description

Infa-Body Harness ..... I2  
Infa-Head Measuring Tape .....

#### Part Number

I2

I3



### ■ Instructional Manual

The Instruction Manual is fully illustrated with step-by-step instructions. The Instructional Video is approximately 12 minutes in length, and covers the basic application and care of Electro-Caps.

#### Product Description

Instruction Manual ..... INS-1  
Instructional DVD .....

#### Part Number

INS-1

VID-1