

ELECTRODE ACCESSORIES & GELS

Abrasive Pads

Before applying electrodes, abrade the skin lightly with an ELPAD to remove non-conductive skin cells and sensitize skin for optimal adhesion. Each ELPAD package contains 10 abrasive pads.



Adhesive

Use adhesive tape for attaching Active Electrodes and other devices. Use the preferred tape or BIOPAC's adhesive tape: **TAPE1** single-sided; **TAPE2** double-sided.

MRI Use: MR Safe

TAPE1 Components:

3M hypoallergenic surgical tape – Acrylic adhesive



Adhesive Disks

ADD200 series double-sided adhesive collars are used to hold reusable electrodes (EL254/8RT) firmly on the skin surface.

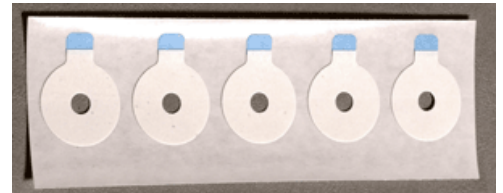
ADD204 19 mm outside diameter, use with EL254 and EL254S

ADD208 22 mm outside diameter, use with EL258 and EL258S

MRI Use: MR Safe

ADD204/208 Adhesive Disks Components:

Disks: 3M hypoallergenic medical tape – Acrylic polymer



Electrode Gels

GEL1 & GEL100 Non-irritating, hypo-allergenic gel used as a conductant with the EL250 series reusable electrodes. GEL1 = 50 g; GEL100 = 250 g. 5% NaCl (salt) content. 0.85 molar NaCl

MRI Use: MR Conditional

Condition: Max MR field strength 7T

MRI Notes When using with EL250 series electrodes, it's important to completely fill the EL250 series gel reservoir. Incomplete filling of reservoir may result in localized heating of gel at the electrode site.

GEL100 Components:

Water, Sodium Chloride, Propylene Glycol, Mineral Oil, Glyceryl Monostearate, Polyoxyethylene Stearate, Stearyl Alcohol, Calcium Chloride, Potassium Chloride, Methylparaben, Butylparaben, Propyl Paraben

GEL101 Non-irritating, isotonic gel is primarily used as a conductant for the TSD203 electrodermal response electrodes. Each tube contains 114 g (~4 ounces).

Consists of 0.5% Saline in a neutral base and is the appropriate GEL to use for GSR, EDA, EDR, SCR, and SCL. This electrode paste has an approximate molarity of 0.05M NaCl and is 0.5% Saline; the Saline concentration is adjusted to obtain a final paste molarity of 0.05M NaCl. This particular molarity is recommended by Fowles (1981). Psychophysiology, 18, 232-239

MRI Use: MR Conditional

Condition: Max MR field strength 7T

GEL101 Components:

Cetyl Alcohol #697313, Glycerol Monostearate, Lanolin, USP Anhydrous, Dimethicon Silicone TBF9-1000, Water, purified USP Sodium Chloride, Sodium Lauryl Sulfate, Sorbitol, 70 USP, Methylparaben, Propylparaben, Quaternium-15

GEL102 Ten20 Conductive Gel 114 g (~4 ounces). Ten20 is a conductive and adhesive paste specifically formulated for use with reusable (non-disposable) electrodes. Ten20 contains the right balance of adhesiveness and conductivity, enabling electrodes to remain in place while allowing the transmittance of electrical signals. Ten20 is a uniquely washable and non-drying formula.

Do not use too much paste—the size of the area of the paste becomes the effective size of the electrode; this can reduce interelectrode distances and potential differences measured. Wash skin promptly after use. 12.5% NaCl content, 2.15 molar NaCl

GEL103 Tensive Adhesive Gel, 33 ml. Conductive adhesive gel. This safe, non-flammable, odorless gel is recommended for TENs or ECG to adhere non-adhesive electrodes to the skin.

- Eliminates tape and tape irritation
- Conductive immediately, no need to wait
- Non-flammable, no solvent odor
- Best adhesive gel available
- Hypoallergenic, bacteriostatic, non-irritating
- Water soluble, easily removed with water

GEL104 Electrode Gel - salt free - 250 g (8.5 oz). **SPECTRA 360®** electrode gel. The only salt-free and chloride-free electrically conductive gel, recommended for many biopotential measurements. Salt-free characteristics make it particularly suitable for electrical stimulation and long-term applications. However, it is not recommended for DC measures, such as EDA, ECG, EOG or slow potentials. Spectra 360 differs significantly from all other electrically conductive media...it works by wetting the skin, thereby reducing skin resistance.

- Salt-free, no sodium ion transfer
- Non-irritating, hypoallergenic, bacteriostatic
- Can be used with carbon compositing flexible electrodes
- Can be used for ECG and TENS
- Non-gritty STAY-WET® formula allows for prolonged use without re-application

MRI Use: **MR Conditional**

Condition: Max MR field strength 7T

GEL104 Salt-Free Components:

Water, Propylene Glycol, Mineral Oil, Glyceryl Monostearate, Polyoxyethelene Stearate, Stearyl Alcohol, Methylparaben, Butylparaben, Propyl Paraben

ELPREP Skin Preparation Gel 114 grams (~4 oz). Designed for EEG, ECG, EMG, EOG, Cardiac Output and Bioimpedance measurements. This gel is abrasive and should be used with care not to overabrade the skin. It is not recommended for use with electrodes attached to conventional electrical stimulation equipment, such as voltage or current stimulators. Not to be used on subjects with a history of skin allergies to cosmetics and lotions. Topical use only.

Prepare skin and apply small amount to appropriate electrode site by squeezing near tube opening. Gently rub gel into the skin surface. Apply small amount to disc electrode and press into the paste that has been applied to the scalp or other skin surface. Clean with warm water.

Coban Wrap

Self-adhesive Coban™ wrap can be used to hold electrodes, VMG transducers and fNIR sensors on a subject.



- 4 inch x 5 yard (fully stretched) (100 mm x 4.5 m)
- Latex free self-adherent wrap
- Nonsterile
- Tan

BSL-ACCPACK

Make students accountable for their own lab equipment and reduce the burden on department budgets.

The BSL Accessory Pack includes the consumable items to run 16 BSL Lessons. School bookstores can purchase the BSL Accessory Packs and sell them to students. Includes:

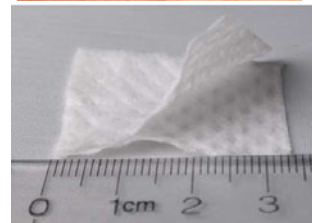
- 60 x EL503 Disposable Electrodes
- 10 x EL507 Disposable EDA (GSR) Electrodes (ten electrodes total)
- 1 x AFT1 Disposable Bacterial Filter
- 1 x AFT2 Disposable Mouthpiece
- 1 x AFT3 Noseclip
- 8 x ELPAD Abrasive Pads



Alcohol Prep Pad Wipes (ALCPAD, ALCPAD-10)

These Disposable Wipe Prep Pads are sterile, 2-ply non-woven sponge pads saturated with Isopropyl Alcohol and sealed in individual airtight foil packets.

- Affordable
- Convenient Individual Packaging
- 2-Ply Enhances Strength for Cleaning & Disinfecting
- Airtight Poly-Lined Foil Pouches Minimized Dry Pads
- Active Ingredient: Isopropyl Alcohol
- Saturation Level: 70%
- Latex-Free
- Sterile



Quantity options: pack of 200 (order ALCPAD) or pack of 2000 (order ALCPAD-10)