



# TLC Medical

## Prewired Hydrogel Electrode Guide



**the medical**  
specialty sales & distribution

Leading the Way in Pediatric Electrode Technology

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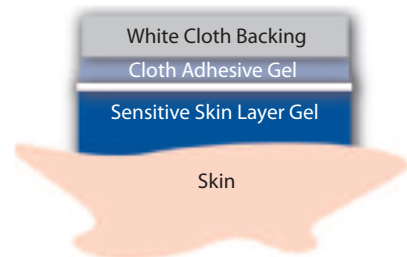
# Hydrogel Innovation

**Key Feature #1: TLC Medical's** New Med-Dyne Patented Dual Layer Hydrogel Creates a Sensitive Electrode with Strong Bonding Properties

## Traditional Hydrogel Electrodes



## TLC Medical Dual Layer Hydrogel Technology



Using a controlled mesh layer and an intensive curing process between the dual layers of gel, Med-Dyne Hydrogel is able to keep the Adhesive Gel and Sensitive Skin layer separated to ensure a sensitive and strong bond. Other Hydrogel products on the market blend the strong Adhesives throughout the gel, causing a potential harsh reaction to delicate skin.

**Key Feature #2: TLC Medical's** New Med-Dyne Breathable Hydrogel Material

New soft, breathable cloth mesh backing on all Hydrogel Electrodes creating a comfortable electrode, making them virtually unnoticeable to the patient.

**Key Feature #3: TLC Medical's** Moist Hydrogel with Superior Conductivity

Med-Dyne Hydrogel is made with a Glycerin solution which holds moisture better than other Hydrogels allowing for twice the conductivity. This ensures your monitoring device always has accurate reads.

# TLC Medical Hydrogel Comparison

Key Features	TLC	Traditional Electrode Suppliers
<b>Specializes in Pediatric Patients</b>	Yes, <b>TLC</b> uses the only Hydrogel formulated specifically for Pediatric ECG products.	No, most traditional electrode suppliers carry a wide general range of ECG products.
<b>Uses Dual Layer Hydrogel Technology</b>	Yes, <b>TLC</b> uses Med-Dyne <i>Dual Layel Hydrogel Technology</i> on all Electrodes.	No, traditional electrode suppliers uses a Single Layer Adhesive Hydrogel.
<b>Biocompatibility Irritation and Sensitivity Tested and Approved</b>	Yes, Med-Dyne Hydrogel has been NAMSA, North American Science Associates, approved for Biocompatibility Irritation and Sensitization testing, proving positive results.	No public documented testing found.
<b>Strong Conductivity - The lower the Volume Resistivity (ohm-cm), the stronger the connection to the machine.</b>	Yes, 400 ohm-cm for the strongest conductivity on the market.	Traditional electrodes have a volume resistivity between 1000 - 750 ohm-cm
<b>Ability to Hold Moisture</b>	Yes, Med-Dyne Hydrogel is made from a Glycerin base which holds moisture in extreme temperatures up to 130°F and under strong lights.	No documented information for comparison.
<b>Microbial Growth Resistant</b>	Yes	Yes
<b>X-Ray and MRI Safe</b>	Yes	Yes
<b>Ability to Customize</b>	Yes, <b>TLC</b> has the capability to custom design ECG products to fit your needs from color, to length, to size.	Traditional electrode suppliers have a standard catalog selection you can choose from.

# Prewired Hydrogel Electrodes

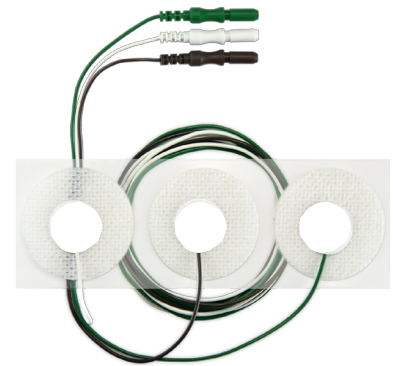
TLC Medical's Prewired Hydrogel Electrodes are designed to make ECG monitoring as simple as possible with one step monitoring setup and inventory.

## Features

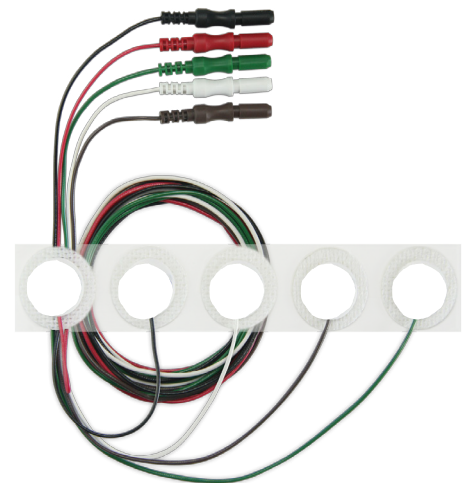
- Hydrogel Electrodes made with Med-Dyne Dual Layer Hydrogel Technology
- 24" Color-Code made with Universal Standard Safety Sockets to Ensure Compatibility
- Prewired Electrodes make inventory levels easier to manage with one part for all of your ECG needs
- Call for customized lengths for your ECG needs

**Available in Pediatric Sizes. All 100% Latex Free.**

Part #	Description	Quantity
TR24AS	24" Prewired <i>Radiolucent</i> (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1" Diameter	300 Electrodes / 100 Cards
TR24AR	24" Prewired <i>Radiolucent</i> (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.25" Diameter	300 Electrodes / 100 Cards
TR24AL	24" Prewired <i>Radiolucent</i> (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.50" Diameter	300 Electrodes / 100 Cards
TG24AS	24" Prewired (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1" Diameter	300 Electrodes / 100 Cards
TG24AR	24" Prewired (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.25" Diameter	300 Electrodes / 100 Cards
TG24AL	24" Prewired (BK,GR,WH) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.50" Diameter	300 Electrodes / 100 Cards



Part #	Description	Quantity
TR24CS	24" Prewired <i>Radiolucent</i> (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1" Diameter	500 Electrodes / 100 Cards
TR24CR	24" Prewired <i>Radiolucent</i> (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.25" Diameter	500 Electrodes / 100 Cards
TR24CL	24" Prewired <i>Radiolucent</i> (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.50" Diameter	500 Electrodes / 100 Cards
TG24CS	24" Prewired (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1" Diameter	500 Electrodes / 100 Cards
TG24CR	24" Prewired (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.25" Diameter	500 Electrodes / 100 Cards
TG24CL	24" Prewired (BK,GR,WH,RD,BR) ECG Electrode Monitoring Cloth Conductive Hydrogel, 1.50" Diameter	500 Electrodes / 100 Cards



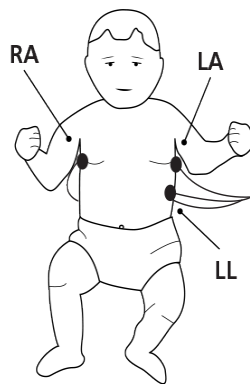
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# Prewired Electrodes Instructions

## Using Electrodes

- The positioning of ECG electrodes should be carried out by a health care specialist, familiar with proper placement and use.
- No skin prep is required or recommended. It is important to have skin as clean and dry as possible for proper attachment.
- The ECG electrodes should be applied to undamaged and clean skin (not on open wounds, lesions, infected or inflamed areas).
- Simply place on baby's skin for use and peel away from skin to remove.



## Storing Electrodes

- Leave electrodes in sealed package until ready to use.
- Electrodes should always be returned to their plastic liner when not in use to help keep electrodes clean.

## Rotating Electrodes

- Electrodes are strong enough to be repositioned as often as every 4-6 hours; however, the cloth material is breathable enough to leave in place for up to 48 hours.