



Product Specification

Part/Item no.	81001
Dimension (size in mm)	50mm Round
Backing material:	Polyethylene foam (PE)
Adhesive Characteristics	Medical grade pressure sensitive adhesive
Gel Characteristics	Conductive
Supporting label	PET/PP Film transparent
Sensor (Stud Connector):	Polymer Ag/AgCl coated
Adapter / Connector:	Stainless steel
Release liner:	Polyethylene film (PE), one side siliconized
Shelf-Life (originally sealed packaging):	up to 24 months @ 5-30°C
Shelf-Life (open packaging):	45 days or longer

- Classified under Medical Devices as Class B in India ; Europe - under EU MDR as Class 1, US FDA as Class 2
- Product is CE Certified : CE marking of Class I medical devices under EU MDR 2017/745.
- ECG Electrodes conform to standard electrical test such as Impedance, Noise.
- Certification: ISO 13485 : 2016

How to Apply

- Clean skin with alcohol wipe; allow to dry completely
- Remove excessive hair (clip, do not shave if possible)
- Gently abrade skin if needed (for long-term monitoring)
- Ensure skin is dry before electrode placement
- Press firmly around edges for full adhesion
- Remove release liner carefully
- Place electrode on prepared skin
- Press center first, then edges
- Connect lead wire securely

50mm Disposable ECG Electrodes

APK Identification ECG Solid GEL Electrodes, commonly Ag/AgCl (silver/silver chloride) type, consist of a conductive sensor, electrolyte gel, adhesive, and backing material. The Ag/AgCl sensor, usually on a conductive ABS plastic stud, minimizes signal noise and impedance, while solid gel acts as an interface, with foam or non-woven fabric backing. are a type of sensor that monitors heart signals. This arrangement translates the heart's ionic electrical signals into electron flow for an external device, such as a monitor.

Features:

- Variety of styles, including choice of snaps or tabs
- Adult, pediatric and neonate sizes available
- Designed for easy placement and removal
- Round, square, rectangle and teardrop shapes
- Low profile to prevent accidental detachment by bed sheet or gown

Applications:

- APKID ECG electrodes are compatible with ECG monitoring, telemetry and diagnostic testing equipment.

Sterility and expiry date

- Non sterile product.
- Expiry date: 2 years from date of manufacturing.

Storage

- Protect from direct sunlight.
- Keep in a dry place.
- Temperature range: 5-30°C.
- Single use product. Disposable.
- Latex free.

Bio-compatibility

- These devices are Bio- Compatible as per ISO 10993
 - Skin Sensitization : ISO 10993-10 : 2010
 - Cytotoxicity Test : ISO 10993-5 : 2009
 - Acute Irritation Test : ISO 10993-21 : 2021

**APK Identification,
Plot#129-B, NSEZ,
Phase-II, Noida U.P 201305
INDIA.
Tel. +91 120 2462331/2460231
Fax. +91 120 2462332**

**APK Identification,
Greenlands Business Centre,
Studley Road, Redditch, Worcs,
B987HD, United Kingdom.
Tel. +44 1527 517 610
Fax +44 1527 517 615**