

Disposable Electrode

Vitrode V

General

The Vitrode V disposable electrode is designed for ECG monitoring and impedance method respiration monitoring.

Safety Information

⚠ WARNING A warning alerts the user to possible injury or death associated with the use or misuse of the instrument.

⚠ CAUTION A caution alerts the user to possible injury or problems with the instrument associated with its use or misuse such as instrument malfunction, instrument failure, damage to the instrument, or damage to other property.

Pay attention to all safety information in the Operator's Manual or Installation Guide.

⚠ WARNING

- Do not use this electrode during MRI examination because it may cause skin burn on the electrode placement area.
- When performing defibrillation, discharge as far as possible from electrodes on the chest of the patient. If there is a possibility that the defibrillator paddle could touch electrodes, remove the electrodes from the patient. If the defibrillator paddle directly contacts electrodes, the discharged energy may cause skin burn to the patient.

⚠ CAUTION

- For the following patients and skin sites, redness and skin erosion may occur and occasionally result in scar.
 - Patients with weak skin (patient with allergy, neonate or low birth weight infant)
 - Delicate or weak skin
- Do not attach the electrode on a wound or inflamed skin. Redness or irritation may occur on the skin.
- If the skin gets irritated or redness appears on the skin from the electrode, change the attachment site or stop using the electrode. Take extreme care for the patients with delicate skin.
- Iodine may cause discoloration of the electrode. If the skin was disinfected with iodine, wipe the skin with ethanol before placing the electrode.
- When removing the electrode from the patient, remove it carefully and slowly from the edge. If you remove it forcefully, the skin may tear.
- Take extreme care to prevent the patient from swallowing the electrode. The electrode is chemically harmless to people but the adhesive gel on the Vitrode V is highly expansive. If the electrode is swallowed, the adhesive gel absorbs gastric juice and swells several to several dozen times in size and stays in the stomach. Swelling adhesive gel in stomach will cause the patient to vomit and be unable to eat and drink.

After removing the electrode, check there is no adhesive gel left on the patient.
- To prevent electrodes from being swallowed, make sure that the number of electrodes to be disposed of is the same as the number of electrodes that were taken out of the package.
- Be careful not to touch the adhesive gel on the small type electrodes for neonates or children (20 × 20 mm). The gel contains a bitter flavor to prevent the patient from swallowing the electrode. Wash your hands if you touch the gel.
- Dispose of the connector holder after use. Take extreme care to prevent the patient from swallowing the connector holder. The connector holder is a part which is used to connect electrode leads to the ECG connection cord.
- The Vitrode V electrode should not be used in conjunction with other types of electrodes because offset voltage becomes high and it may affect ECG recording.

- After opening the package, use the contents soon to prevent the gel from drying. Store the rest of the electrodes by folding the top of the package twice and sealing it with tape to prevent the electrodes from drying.
- When noise interferes with the ECG or the electrode starts to come off, replace the electrode with a new one.
- Do not use electrodes which are past the expiration date.
- Do not use this electrode for electric stimulation.
- Do not alter the shape of electrodes. ECG may not be recorded.
- When removing the electrode from a neonate, remove it carefully and slowly, because neonatal skin is sensitive.
- Do not reuse the disposable electrode.
- Do not get liquid on the electrode. The adhesive becomes weak and correct measurement might be impossible.
- The electrode cannot be sterilized. Sterilizing the electrode may damage it.
- Black spots may appear on the silver surface of the electrode. These are caused by variation in the Ag and AgCl coating thickness and have no effect on the quality or performance of the electrode.
- When using remover for removing adhesive gel from the patient's skin, refer to the remover operator's manual.
- When using remover, wipe the remover completely before attaching a new electrode.
- When separating the small type electrodes with 3 color leads, separate them slowly to avoid twisting the leads. Otherwise the covering may peel off the wire and the electrodes may become unusable.
- Dispose of Nihon Kohden products according to your local laws and your facility's guidelines for waste disposal. Otherwise, it may affect the environment. If there is a possibility that the product may have been contaminated with infection, dispose of it as medical waste according to your local laws and your facility's guidelines for medical waste. Otherwise, it may cause infection.

This Safety and Performance Information is an extract from the general and safety information sections of the most recent edition of Operator's Manual or Installation Guide. Therefore, the contents of your Operator's Manual or Installation Guide may differ from those of this Safety and Performance Information. For detailed operating procedures, follow the instructions of your Operator's Manual or Installation Guide.



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