

Disposable Electrode

Vitrode F

General

The Vitrode F disposable electrode is designed for ECG monitoring and impedance method respiration monitoring for adult, child and neonate. The electrode can also be used for EMG monitoring or electric stimulation for evoked potential derivation.

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

Never use the electrode in the presence of any flammable anesthetic gas or high concentration oxygen atmosphere. Failure to follow this warning may cause skin burn on the electrode placement area.

WARNING

When performing MRI test, remove this electrode from the patient. Failure to follow this warning may cause skin burn on the patient. For details, refer to the MRI manual.

WARNING

Do not reuse the disposable electrode.

WARNING

Do not use this electrode for low birth weight infants.

CAUTION

Do not get liquid on the electrode. The adhesive becomes weak and correct measurement might be impossible.

CAUTION

When performing defibrillation, discharge as far as possible from electrodes, patches and any gel, cream or medicine on the chest of the patient. If there is a possibility that the defibrillator paddle could touch these materials, remove them from the patient. If the defibrillator paddle directly contacts these materials, 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 child)
- Delicate or weak skin

CAUTION

Do not attach the electrode on a wound or inflamed skin.

CAUTION

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.

CAUTION

When noise interferes with the ECG or the electrode starts to come off, replace the electrode with a new one.

CAUTION

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 F 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.

CAUTION

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.

CAUTION

Make sure not to touch the adhesive gel on F-150M and F-150S. The gel contains a bitter flavor to prevent the patient from swallowing the electrode. Wash your hands if you touch the gel.

CAUTION

When using an electrode lead that is not from Nihon Kohden, confirm that there is no problem attaching and removing the electrode and that connection is good. If there is any problem, use other electrodes.

CAUTION

The Vitrode F electrode should not be used in conjunction with other types of electrodes because offset voltage becomes high and it may affect ECG recording.

CAUTION

Do not alter the shape of electrodes. ECG might not be recorded.

CAUTION

Use the disposable electrodes as soon as possible after opening the package. 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.

CAUTION

Do not use electrodes which are past the expiration date.

CAUTION

Do not use this electrode for a purpose other than stated in this manual.

CAUTION

Make sure not to drop the gel cover on the floor. It may cause unexpected accidents such as the patient or operator slipping on the gel cover and falling because the gel cover is transparent and hard to see if it falls on the floor.

CAUTION

When using remover to remove adhesive gel from the patient's skin, refer to the remover operator's manual.

CAUTION

When removing the electrode from the patient, remove it carefully and slowly from the edge. If you remove it forcefully, the skin may tear.

CAUTION

When using adhesive remover, wipe the adhesive remover completely before attaching the electrode. For usage of the adhesive remover, refer to the adhesive remover operator's manual.

CAUTION

After removing the electrode, make sure there is no adhesive gel left on the patient. If the patient eats the adhesive gel, it will cause vomiting and the patient will be unable to eat and drink.

CAUTION

The electrode cannot be sterilized. Sterilizing the electrode may damage it.

CAUTION

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.

CAUTION

When using the electrode for monitoring EMG or stimulation and evaluating or comparing the EMG waveforms, note that the shape of the measured waveform may be different for different electrode models.

CAUTION

When using the electrode for stimulation, check that an overload message is not displayed on a monitoring device. If an overload message appears, the set stimulation strength cannot be output. Replace the electrode with a new one.

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.



Manufacturer

NIHON KOHDEN CORPORATION

1-31-4 Nishiochiai, Shinjuku-ku,

Tokyo 161-8560, Japan

Phone +81 3-5996-8041

<https://www.nihonkohden.com/>



European Representative

NIHON KOHDEN EUROPE GmbH

Raiffeisenstrasse 10, 61191 Rosbach, Germany

Phone +49 6003-827-0 Fax +49 6003-827-599

1st Edition: 16 Apr 2019

2nd Edition: 19 Dec 2022

