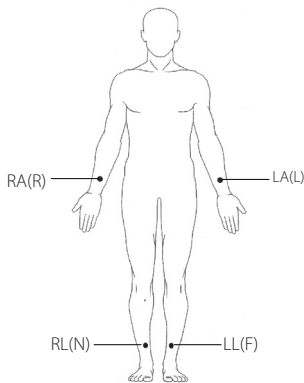
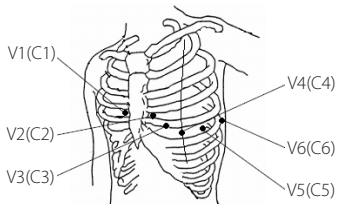


# BeneHeart R12/BeneHeart R12A Electrocardiograph Quick Guide

## Electrode Placement



## Patient Preparation

- Prepare the skin at electrode sites by:
  - Exposing the electrode sites.
  - Shaving hair from each electrode site.
  - Degreasing each electrode site with alcohol and abrade slightly with a dry gauze to remove dead skin cells. Dry the skin completely.
- Apply electrodes by:
  - Respectively connecting the 6 chest lead wires and 4 limb lead wires with the electrodes.
  - If reusable electrodes are used, applying a thin layer of conductive gel on each electrode site and each metal electrode.
  - Applying the electrodes as indicated on the left.

**Note:** When acquiring a pediatric ECG, an alternative to the standard V3 (C3) placement may be used. Place the electrode in the V4R (C4R) position. This is across the sternum from V4 (C4).

AHA	IEC	Electrode placement
V1	C1	Fourth intercostal space at the right sternal border
V2	C2	Fourth intercostal space at the left sternal border
V3	C3	Midway between V2 (C2) and V4 (C4) electrode positions
V4	C4	Fifth intercostal space at the left midclavicular line
V5	C5	Left anterior axillary line, horizontal with the V4 (C4) electrode position
V6	C6	Left midaxillary line, horizontal with the V4 (C4) electrode position
RA	R	Above right wrist
LA	L	Above left wrist
RL	N	Above right ankle
LL	F	Above left ankle

## Precautions

- This equipment is not intended for use with high frequency surgical units.
- For paced patients, the equipment may mistake a pace pulse for a QRS complex if several adverse conditions exist simultaneously. Always keep these patients under close surveillance.
- Reusable electrodes must be cleaned after each use.
- When placing the chest electrodes, ensure that the metal electrodes do not touch each other and conductive gel from one application site does not touch another site.

## Basic Operations

### Connecting Patient Cable

Plug the patient cable into the patient cable connector on the right side of the equipment. Tight the screws to securely attach the patient cable to the equipment.

### Turning On the Equipment

Press the  $\odot/\circ$  key to turn on the equipment.

### System Setup

Press the  $\text{gear}_{\text{Setup}}$  key to access the main menu. Configure the settings as desired.

### Entering Patient Information

Before taking an ECG measurement, enter patient information in either of the following ways:

- Read patient ID with a barcode reader.
- Press the  $\text{ID}\#$  key to enter the [**Patient Info**] menu. Manually enter patient information from the [**New Patient**] sheet.
- Select a patient from the [**patient list**] sheet.

After entering patient information, press the [**Save**] soft key to save the patient information.

### Acquiring ECG Reports

- Press the  $\text{ECG}$  key to start an auto measurement.
  - Press the [**Manual**] soft key to start a manual measurement.
  - Press the [**Rhythm**] soft key to start a rhythm measurement.
- To manually stop recording, press the [**Stop**] soft key.

### Managing Patient Archives

In normal screen, press the [**Directory**] soft key to enter Directory List.

- Select patients to review, print, or delete patient reports, or sent the reports to an external device.
- Press [**Search**] and input a keyword to search patients.



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