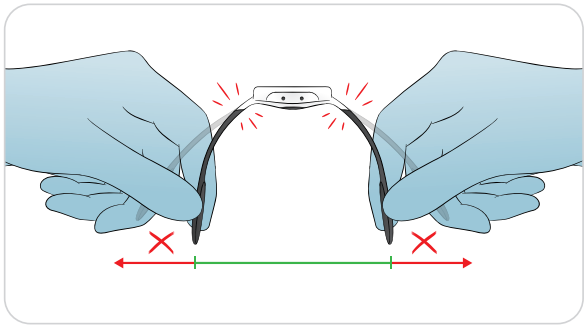
EN

NeoBeat Quick Reference Guide

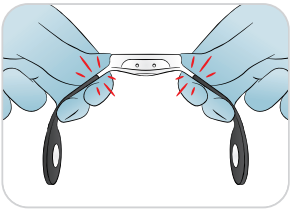
Durability instructions

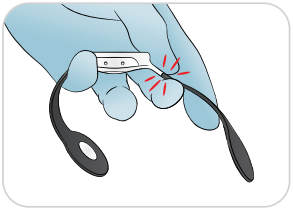
NeoBeat's ECG electrode arms are sensitive to stress from all bending applied during non-clinical or clinical use. Cumulative effects of stress on the arms may lead to them breaking.



Handling of NeoBeat

The gentlest method of applying or removing NeoBeat is by extending the arms from the ends. Other methods of extending the device such as pulling the arms outward from the centre or twisting them while holding the frame, can place excessive stress on the arms. This added strain increases the risk of bending or breaking the arms. Always extend the device using the recommended method to avoid damage.



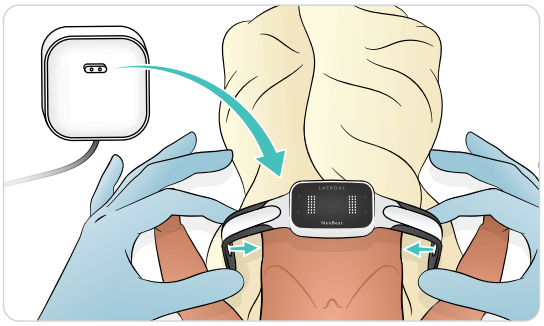


Turn on

Remove NeoBeat from the Charging Stand and place it around the newborn's torso. NeoBeat automatically turns on when it detects motion.

⚠ Caution

Do not bend the device more than necessary for application to the newborn. Excessive bending may cause the device to become permanently deformed and damaged.



Reprocessing

Before Use

Clean and disinfect NeoBeat after each patient use to minimize the risk of cross-contamination as described in 'Reprocessing' in the User Guide. Charge NeoBeat as decribed in 'Charging' in the User Guide.

⚠ Warning

Do not place a used NeoBeat back onto the charging stand before it has been cleaned and disinfected.

⚠ Cautions

- *Effective disinfection is not possible without first performing a thorough cleaning.*
- *Care should be taken while handling the product between cleaning and disinfection.*
- *Do not submerge any of the product components in liquid (including ethanol or isopropanol).*
- *Do not use chlorine-based disinfectants, including sodium hypochlorite/ bleach, or peroxide-based disinfectants*
- *Do not use disinfectants other than those specified, as this may damage NeoBeat materials, affect device functionality, and/or leave harmful chemical residues on the device surface.*
- *The reprocessing method is designed to ensure NeoBeat is adequately disinfected between uses. Any deviation will increase the risk of cross-contamination especially for newborns that may have compromised immune defense, such as a pre-term baby or in the case of outbreaks of highly transmissible pathogens.*
- *Not intended to be sterilized as it may damage the device.*

Inspection

After reprocessing, inspect NeoBeat for cracks and damage. If there is any damage, remove the device from service. Otherwise, put the device back onto the Charging Stand.

Note

Other than the visual inspection after reprocessing, there is no need for regular functional testing of NeoBeat. NeoBeat runs a self-test when activated.

Charging Stand

When needed, the Charging Stand can be cleaned and disinfected using the same method as previously described.

NeoBeat does not turn on or it turns off during use

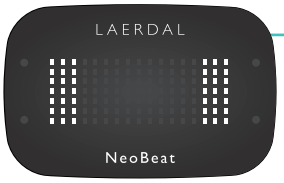
Battery depleted

Continue standard clinical procedure without use of the device.
After the procedure, reprocess and charge the device.

If a device does not start, perform reset procedure and leave it charging for another 30 minutes.
It may take up to 30 minutes before the device indicates charging if the battery is very depleted.

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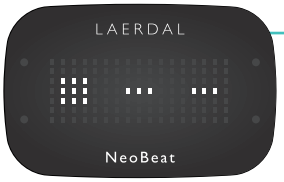


Activated – No contact

NeoBeat is activated, but there is no or inadequate patient contact. If no patient contact, the device will return to standby automatically after 10 seconds.

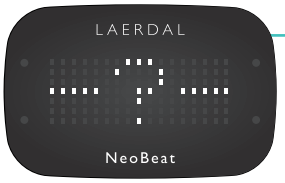
Note

Skin contact is necessary to measure heart rate. If the patient skin is too dry, add a drop of water under the electrodes to achieve contact or improve performance of the device.



Initial calculation

NeoBeat has patient contact and is calculating the heart rate.



Heart rate unknown

Heart rate cannot be detected. This may be due to poor contact of the ECG electrodes, or lack of detectable heart rate despite having good contact.

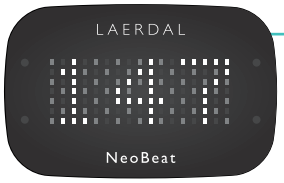
Note

Reposition device if no heart rate can be obtained. Moving the device closer to the heart may give a stronger signal.



Clear detection

Heart rate is detected and there is good signal quality.

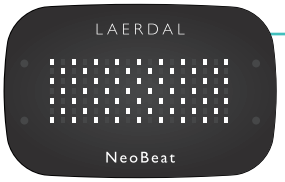


Weak detection

A typically transient condition where heart rate is detected, but with reduced signal quality. The heart rate displayed may be less accurate during the weak detection display.

Note

If this display persists, ensure that the electrodes of NeoBeat are in full contact with the skin of the newborn's torso. Adding a drop of water under each electrode will improve signal quality if the skin is too dry. Moving the electrodes closer to the heart may give a stronger signal.



Undetectable due to motion

There is too much motion to detect heart rate.

Note

When excessive movement (e.g. stimulation) is detected, the device will not show a heart rate.



Low battery

From when low battery is first indicated, the device will have approximately 30–60 minutes remaining run time. Recharge NeoBeat after use and reprocessing, by placing it on the Charging Stand.



Error display

NeoBeat has detected an internal technical error. Use other methods for assessing newborn heart rate, e.g. by auscultation or palpation.