



Nymi Band 3.0 Cleaning Recommendations

June 09, 2022

Version 1.5



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Revision History

Date	Version	Revision History
August 28, 2020	1.1	Initial Release.
Sept 14, 2020	1.2	Updated photos
Feb 26, 2021	1.3	Added material information
June 09, 2022	1.4	Added a list of cleaning agents that have been tested on the Nymi Band.
April 11, 2023	1.5	Added UV as approved cleaning method

Cleaning Procedures

Background

The Nymi Band™ is a wrist worn device with both IP66 and IP67 ratings. As such, it is considered:

- Dust tight
- Protected against powerful water jets
- Protected against temporary immersion in water at a depth between 15 - 100 cm for up to 30 minutes

The following cleaning agents have been tested on the Nymi Band:

- 3% Hydrogen Peroxide
- 70% isopropanol
- 99% isopropanol
- Soap and water
- UV lights

A cleaning agent is used in conjunction with materials and a process. This guide describes two Nymi-validated cleaning methods that do not negatively impact the reliability of the Nymi Band:

- Method 1 - 70% isopropanol wipes. A quick cleaning method to remove surface debris and disinfect the Nymi Band.
- Method 2 - Mild soapy water and soft scrub. A more thorough cleaning method which involves scrubbing the Nymi Band with a brush and a mild soap solution, followed by a rinse under running water.
- UV disinfection can be combined with the above methods and shall be applied after isopropanol wipes or soapy water scrub so that the UV radiation is not blocked by soil, such as dust, or other contaminants.

NOTE: When cleaning the Nymi Band, avoid the following non-compliant cleaning methods:

- Continuous submersion in isopropanol
- Continuous submersion in water beyond 30 minutes

If you are unsure if the Nymi Band is compatible with your preferred cleaning method, please contact a Nymi representative.

Method 1: Isopropanol Wipe

Materials:

- Lint-free wipe
- 70% isopropanol

Steps:

1. Soak a wipe in 70% isopropanol and use it to clean all surfaces of the Nymi Band's body.
2. Wipe down the exposed strap surfaces.
3. Clean the area between the metal peg and strap by flexing the strap or pushing the peg out and then wiping.
4. Before charging the Nymi Band, allow 2-5 minutes for the isopropanol to evaporate from the Nymi Band surface.



Figure 1: Wiping the Nymi Band's body and straps with an isopropanol wipe

Method 2: Mild Soapy Water and Soft Scrub

Materials:

- Mild soap solution
- Water
- Lint-free cloth or soft brush

Steps:

1. Apply a mild soap solution to all surfaces of the Nymi Band's body by using a lint-free cloth or soft brush and then gently scrub for 10-30 seconds.
2. Clean the area between the metal peg and strap by flexing the strap or pushing the peg out and then scrubbing.
3. Scrub the exposed strap surfaces for 10-30 seconds.
4. Rinse the Nymi Band under running water. A 12.5L/min flow rate is sufficient.
5. Dry the Nymi Band with a lint-free towel or wait 10-30 minutes for the water to evaporate before charging the Nymi Band.



Figure 2: Washing the Nymi Band with a mild soap solution

Appendix: Materials

The Nymi Band is constructed with the following materials:

ECG electrodes	Stainless Steel
Strap peg	Stainless Steel
Body	Polycarbonate
Strap	Thermoplastic Polyurethane (TPU)
Buttons	Thermoplastic Polyurethane (TPU)

Additionally, the Nymi Band is tested to be hypoallergenic and biocompatible as to the following guidelines and standards:

- ISO 10993-12
- NIOSH 9100
- ASTM D6661



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