### Intended use

**Mallya**<sup>D</sup>

x1

PN · 0274345

#### Indication for use

The Mallya®D Injection Pen Adapter is indicated for the capture and wireless transmission of dosing information of compatible reusable and disposable pen injectors.

#### **Device features** Mallva<sup>D</sup> is able to :

· be assembled with Novo Nordisk<sup>®</sup> pen injector designed for diabetes treatment,

- · record the amount of dose increments injected by the pen,
- record the timestamp (date & time) of each injection, • transmit information relating to dose, time, and date of each

injection to a mobile app on a smartphone,

when the device is connected to it, using Bluetooth® technology

#### How to setup your Mallya<sup>D</sup>

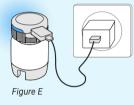
**USER MANUAL** 

Mallya

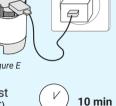
#### 1 Wake up and charge Mallya<sup>D</sup>

Mallya<sup>p</sup> is turned off when it is shipped. You will need to wake it up and make sure it is charged enough before use.

1.1. Connect Mallva<sup>D</sup> to the supplied USB cable and connect the cable to a powered USB wall charger (Figure E). This will wake up the device.



- 1.2. Let the device charge for at least 10 minutes before use (Figure F).
- 1.3. Unplug Mallya<sup>D</sup> from the USB cable (Figure G) and then unplug the wall charger. When you are done, Mallya<sup>D</sup> signal light will turn blue indicating that the device is in pairing mode but not yet paired.

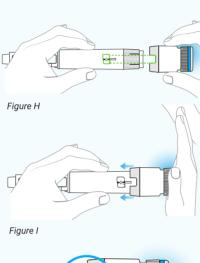


- - Fiaure F

#### 2 Attach Mallya<sup>D</sup> to your pen

Mallya<sup>D</sup> attaches over the dose selector and injection button of your pen. To attach, carefully follow these steps.

- 2.1. Hold the pen with one hand, keeping the dose button accessible, and protect the needle with the pen cap (if already mounted).
- 2.2. With your other hand, hold Mallya<sup>D</sup> by the body so your fingers only touch the sides of the device, being careful to not depress the button
- 2.3. Insert Mallva<sup>p</sup> on the pen dose button. aligning the notch of Mallya<sup>D</sup> with the pen dose counter (Figure H).
- 2.4. Push Mallya<sup>p</sup> fully over the pen, pressing the button with the palm of your hand. It must be inserted all the way onto the dose selector (Figure I).
- 2.5. Check that Mallya<sup>D</sup> is pushed all the way down on the pen as shown on the picture (Figure J).



Clinical environment

patients.

The Mallya<sup>p</sup> device is intended to be used by patients in the

same use environment as their compatible pen injector. There

are no known contraindications to the use of Mallya<sup>D</sup> for these

NOTE: A list of all compatible injection pens is available in

the legal manufacturer device technical documentation and

on the website at: https://my-mallya.com/us/diabetes.

# Fiaure

## **3** Download a connectable App and pair with Mallya<sup>D</sup>

Before you can use your Mallya<sup>p</sup>, you will need to pair it with a mobile application on your smartphone.

- 3.1. Please refer to Mallya<sup>D</sup> internet website https://my-mallya.com/us/diabetes, or by scanning this OR Code (Figure K).
- 3.2. Download the application from Google Play™ (Android) or the App Store® (Apple) (Figure L).

3.3. Pair Mallya<sup>D</sup> by following the guidance in the App to : - Turn on your smartphone's Bluetooth® (if not already

on) - Pair the Mallya<sup>p</sup> with the App

NOTE: you must keep Mallya<sup>p</sup> within 10 centimeters of the smartphone during pairing (Figure M).

At the end of the pairing step, you may notice the signal light turn green and then turn off (Figure N). Once paired your Mallya<sup>D</sup> will enter standby mode and the light will turn off.



3.4. After pairing, follow the guidance in the application

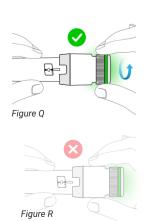
#### Injecting a dose with Mallya<sup>D</sup> attached to your pen

Refer to the Instructions for Use of your pen for the flow check and the injection instructions.

NOTE: Safety tests performed to check the flow (priming), will also be automatically detected, and recorded by Mallya<sup>p</sup>. Perform the safety test to check the flow as described in the Instructions for Use of your pen injector. Check your mobile application for correct identification of the flow check perfomed.

- Before you start selecting the dose, make sure the pen dose counter shows the number 0. The number 0 should line up in front of the pen dose pointer.
- 2. Use the Mallya<sup>D</sup> device **black** dose dialing button to select the dose (Figure Q).
- 3. Turn Mallya<sup>p</sup>'s button to select the dose you need. The selected dose should line up in front of the pen dose pointer. During a dose selection, Mallya<sup>p</sup>'s light is green (Figure Q).

**NOTE:** Do not use the transparent body of Mallya<sup>D</sup> to select your dose (Figure R).

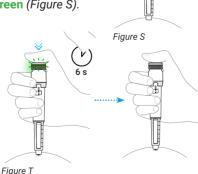


**IMPORTANT:** If the light does not turn green, Mallya<sup>D</sup> is not ready and will not record the injection. It needs to be put on active mode before performing an injection. Follow the step 4 in the "How to setup your Mallya" section above to put the device into active mode

- 4. Perform the injection as described in the Instructions for Use of your pen injector.
- Press and hold down Mallya<sup>p</sup> dose dialing button. Watch as the dose counter returns to 0. The 0 must line up with the pen dose pointer During a dose injection, Mallya<sup>D</sup>'s light is green (Figure S).

**NOTE:** Do not pause during the injection, you

- may experience harm due to miscalculation of doses.
- At the end of injection, keep the pressure 5 on the button and the needle in your skin until the green rapid flashing turns off (6 seconds) (Figure T).



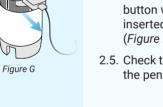
IMPORTANT: Green light will remain on throughout the injection if green light does not come on and is not flashing at the end of injection, the injection will not be recorded

## Unsure if the dose is delivered

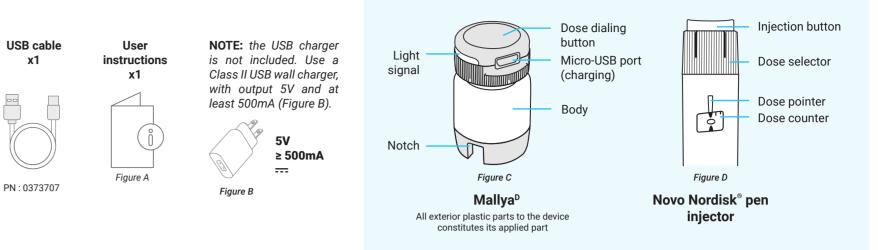
Troubleshooting

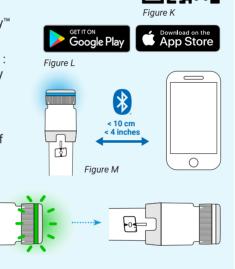
If you are not certain that you injected your diabetes treatment, do not repeat your injection. Monitor your treatment and blood sugars as instructed by your healthcare provider

	Figure U	Orange Rapid Flashing (Figure U)	The pen dose count When the pen dose press the dose butto green.		
	Figure V	Orange Solid (Figure V)	<b>Mallya<sup>D'</sup>s battery is</b> instructions in the " <b>C</b> tery for at least 2 ho tion with Mallya <sup>D</sup> wh during injections if t		
S	Figure W	<mark>Red</mark> Solid (Figure W)	<b>Error</b> : the solid <b>red</b> error state and need In this state, Mallya <sup>D</sup> Follow the instruction		



#### Getting to know Mallya<sup>D</sup> and the pen





•xii

#### 4 Put Mallya<sup>D</sup> into active mode

To activate Mallya<sup>p</sup> on the pen:

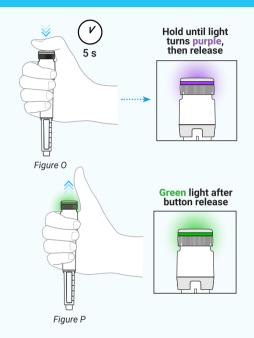
4.1. Firmly press and hold the Mallva<sup>p</sup>'s button down for at least 5 seconds until the light turns purple (Figure 0).

**NOTE:** If the light does not turn **purple** make sure Mallya<sup>D</sup> is pushed all the way down (see Figure I in step 2.4).

4.2. Then, lift your finger from the button. The light will then turn green showing the device is now in active mode (Figure P).

Mallya<sup>D</sup> is now ready for use.

NOTE: Green light will remain on throughout the injection. If green ight does not come on, the injection will not be recorded. Make sure Mallya<sup>D</sup> is sufficiently inserted on your pen. Repeat step 2.4 to push Mallya<sup>D</sup> onto your pen to fully insert it. Then proceed to activate it, following the instructions in step 4.1.



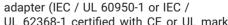
IMPORTANT: Follow the "Injecting a dose with Mallya" attached to your pen" section below when you give an injection.

After a full charge, if you use Mallya<sup>D</sup> every day, it will only need recharging once every 2 weeks. If you use it once a week, it will only need recharging once a month. When the battery is low, the orange light will show (Figure X).

Charge Mallya<sup>D</sup> by connecting it to a powered USB wall charger (not supplied) using the supplied USB cable (Figure Y).

Do not use any other cable.

Please connect the supplied USB cable to the USB port of a power



UL 62368-1 certified with CE or UL marking) suitable for your region (Figure Y).

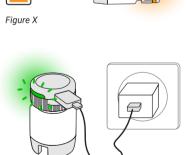
The signal light will slowly flash green when Mallya<sup>D</sup> is charging.

Do not give an injection with Mallya<sup>D</sup> when it

is charging.

NOTE: Let the device charge for at least 2 hours for a full charge (Figure Z).

The green flashing light will disappear when fully charged.



P0-





- Reset
- Indicator
- Lights
- Cleaning











#### nter must be set at 0.

se pointer is aligned with the number 0. on for 2 seconds until Mallya<sup>D'</sup>s light turns

s low. Charge your Mallya<sup>D</sup> following the "Charging Mallya" section. Charge the batours for a full charge. Do not give an injechile it is charging. Mallya<sup>D'</sup>s light is orange the battery is low.

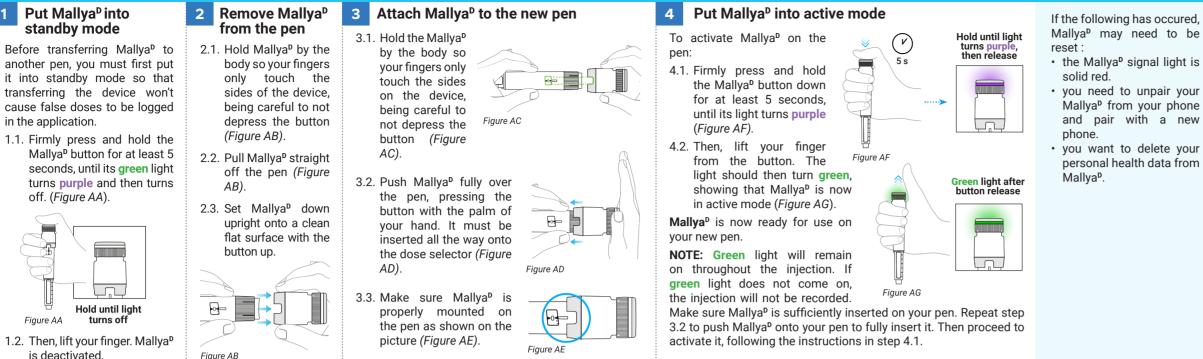
light will come on when Mallya<sup>D</sup> is in an ds to be reset.

Is not ready to record injections. ow the instructions in the "Resetting Mallya" section on the back side of these instructions to reset Mallyap

If the problem persists, contact the Support service.

The red signal is not an alarm at meaning of IEC 60601-1-8.

#### Transferring Mallya<sup>D</sup> to another pen



#### Light signals and meaning

Blue	Purple	Green	Green	Green	Orange	Orange	Red
Solid	Solid	Solid	Rapid Flashing	Slow Flashing	Solid	Rapid Flashing	Solid
(Figure AL)	(Figure AM)	(Figure AN)	(Figure AO)	(Figure AP)	(Figure AQ)	(Figure AR)	(Figure AS)
<ul> <li>During setup and when charging, a blue light will turn on when Mallya<sup>D</sup> is ready to be paired or is not paired.</li> <li>During the selection of the dose and injection, if a blue light turns on, Mallya<sup>D</sup> is not paired with your phone and is not recording injection information.</li> </ul>	When changing Mallya <sup>D</sup> modes, a purple light will turn on after Mallya <sup>D</sup> is put into standby mode. Then a purple light will turn on and off followed by a green light to show that active mode is turned on (see the "Transferring Mallya <sup>D</sup> to another pen" section and the "How to setup your Mallya <sup>D</sup> " section).	During setup, a green solid light means that the Mallya <sup>D</sup> is properly installed and paired. During the selection of the dose and the injection, a green solid light will turn on.	<b>During an injection</b> , a rapidly flashing <b>green</b> light will turn on when Mallya <sup>D</sup> is sensing the end of an injection. Keep your finger on the button until the light is done flashing to ensure the full dose is delivered.	Mallya <sup>D</sup> is charging and paired. The green slow flashing light will turn off when the battery is fully charged. Charge the battery for at least 2 hours for a full charge. Do not give an injection with Mallya <sup>D</sup> when it is charging.	The battery is low. The orange solid light will come on if the battery is low. Charge Mallya <sup>p</sup> following the instructions in the "Charging Mallya <sup>p</sup> " section. Charge the battery for at least 2 hours for a full charge. Mallya <sup>p</sup> light is orange during injections if the battery is low.	The pen dose counter must be set at 0. When the pen dose pointer is aligned with the number 0, press the dose button for 2 seconds until Mallya <sup>D</sup> light turns green.	Error: the red solid Mallya <sup>D</sup> is in an obe reset. Follow <i>"Resetting Mallya</i> " If the problem per service. The red so meaning of IEC 60 <b>IMPORTANT:</b> In device lights red recorded.

#### **Technical safety information**

In case of side effects or incident, please contact the manufacturer and the competent Health Authority.

Improper operation may result in serious injury or death • If you are not certain that you injected your medication, do not start, or repeat your injection. Monitor your treatment as instructed by your healthcare provider. • Do not leave Mallva<sup>D</sup> or its accessories within the

reach of children (injury, choking and strangulation hazard). Do not attach or tighten cable to or around the head or neck.

• Do not expose the device to a temperature above 40°C (104°F) or flames. If Mallya<sup>D</sup> is used at high temperatures exceeding our recommendations, the surface of the device may reach a maximum temperature of 43°C. In this case, the duration of use should be limited to 10 minutes to avoid any risk of burning.

• Mallya<sup>D</sup> contains a magnet. To guarantee optimal results, avoid contact with metallic parts during use, and avoid using Mallya<sup>D</sup> near PACEMAKERS, DEFIBRILLATORS and BODY WORN INFUSION PUMPS or MAGNETIC RESONANCE IMAGING (MRI) ENVIRONMENT.

· Do not operate the device in a hazardous environment: presenting a risk of explosion, or containing volatile solvents (alcohol, etc.) or flammable substances (anesthetics, oxygen-rich environment, etc.). • Mallya<sup>D</sup> can only be used by patients already familiar

with the pen injectors. Contact your healthcare provider, or a BIOCORP PRODUCTION authorized dealer to check your usual pen compatibility

Improper use may result in bodily injury or property damade

 Do not expose the device to moisture. Do not immerse the device in liquids.

malfunctions due to condensation

 Do not disassemble, modify, or repair the device by yourself: it may cause fire, electrical shock, bodily injury, or device malfunction. Your device's warranty will be void. Periodic maintenance of Mallya<sup>D</sup> is not required. · If there is any abnormal smell, sound, heat, or smoke when using the device, stop using Mallya<sup>D</sup>.

· If the device experiences an external mechanical impact (knocking, bumping, dropping, etc.) or excessive stress (inappropriate storage/transport/ use conditions), this may cause malfunctioning of the device. In case of malfunctioning, do not use the device and continue your injection pen treatment. Please contact the BIOCORP PRODUCTION authorized dealer as identified on the outside of the packaging for technical support.

 In case of visible damage, do not use Mallya<sup>D</sup> and contact BIOCORP PRODUCTION or its authorized dealer for technical support.

animals/insects or dust/plush. After use, your device must be put away in its packaging.

• Only use your Mallya<sup>D</sup> with Novo Nordisk<sup>®</sup> pen injector. Never use Mallya<sup>D</sup> with any other pen.

 This device is not recommended for use by the blind or visually impaired without the help of someone Mallya<sup>D</sup> trained to use the device

During handling operations, protect the needle with the pen cap, if it is assembled on the pen

 Separate collection for waste electric and electronic equipment (WEEE) is required.

#### Wireless communication safety issues

 Portable RF communications equipment (including communication is no more possible, and the peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 to track injection. Where perturbing electromagnetic inches) to any part of the Mallya<sup>D</sup> device, including · Leave the device in a room at room temperature cables specified by the manufacturer. Otherwise, for 30 minutes before unpacking it to avoid possible degradation of the performance of this equipment the embedded software version is available on request.

could result

· Electrical medical devices and systems are subject to special measures concerning electromagnetic compatibility (EMC) and must be installed in accordance with the EMC instructions contained in the technical note available online at https://my-mallya. com/us/diabetes.

· Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be

observed to verify that they are operating normally. · Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of

this equipment and result in improper operation. · Protect your personal healthcare data with password on your smartphone.

• Do not leave your Mallya<sup>D</sup> and its accessories next to • Protect your smartphone by installing antivirus software.

> Never install a mobile application from unofficial stores on your phone.

Contact Biocorp Production for list of approved compatible apps & verified phones to be used with

 In case of Bluetooth<sup>®</sup> transmission disturbance or loss, the Mallya<sup>D</sup> device will continue to track and record the history of all your injections. More information is available on the technical note available

online at https://my-mallya.com/us/diabetes. · In case of use in a noisy environment (in terms of electromagnetic signal near 2.4Ghz), the Bluetooth® connection is closed. However, the device continues

signals disappear, communication is possible · The Cybersecurity nomenclature corresponding to

Please contact a BIOCORP PRODUCTION authorized dealer if you wish to consult it.

You are responsible for properly securing and managing your phone. If you suspect an adverse cybersecurity event related to the Mallya<sup>D</sup> device or related App, contact Customer Service.

Make sure that your phone and Mallya<sup>D</sup> device are kept in a safe place, under your control. This is important to help prevent anyone from accessing or tampering with the System.

• The App used with Mallya<sup>D</sup> device is not intended for use on a phone that has been altered or customized to remove, replace or circumvent the manufacturer's approved configuration or use restriction, or that otherwise violates the manufacturer's warranty.

 The App used with Mallya<sup>D</sup> device requires that your phone has the correct date and time for recording your health information. Your phone's date and time should be set to update automatically. You can check this in your phone settings

When you travel across time zones, save your infusion data and check your smartphone time. In case of local time management malfunction, do not start or repeat your injection, monitor your treatment as instructed by your healthcare provider and use the device reset function to retrieve your Mallya<sup>D</sup> factory settings

• When using the App used with Mallya<sup>D</sup> device, you should keep your phone well charged and be sure you have access to a blood glucose monitoring system. Keep your phone well charged and turned on.

· Disable your phone's automatic operating system updates. After an operating system update, open your App and check your device settings to make sure it's working properly.

Before disposing of Mallya<sup>D</sup>: reset the device to delete all your personal health data.

Lifetime

### Resetting Mallva<sup>D</sup>

1.3. Set Mallya<sup>p</sup> down upright onto a clean flat surface with the button up.

1.2. Pull Mallya<sup>p</sup> straight off

the pen (Figure AH).

Remove Mallva<sup>D</sup>

1.1. Hold Mallya<sup>D</sup> by the body

so your fingers only

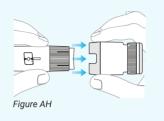
touch the sides on the

device, being careful to

not depress the button

from the pen

(Figure AH).



#### 2 Reset Mallva<sup>D</sup>

- 2.1. Connect Mallya<sup>p</sup> to the supplied USB cable (Figure AI).
- 2.2. Plug-in the USB cable in a powered USB wall charger, then guickly unplug it from the charger (Figure AJ).
- 2.3. Repeat the plug-in/unplug process at least 4 times until Mallva<sup>p</sup> flashes red and then turns off (Figure AJ).

#### Plug in and unplug 4 times.

- 2.4. Disconnect Mallya<sup>D</sup> from the USB cable.
- 2.5. Allow Mallya<sup>p</sup> to sit on a clean flat surface with the button up for 30 seconds.

#### Mallva<sup>D</sup> is now reset.

The light automatically turns off after 10 seconds of inactivity

the "How to Setup Your Mallya" section).

slowly flashing light will turn off when charged

To check the status of Mallva<sup>p</sup>, press lightly on the button to wake it up.

If the light does not turn on, press firmly on the button for several seconds

to remove it from standby mode and put it into active mode (see step 4 of

If the light still does not turn on despite a long and firm press, the battery

may be empty. Charge Mallya<sup>D</sup> following the instructions in the "Charging

Mallyap" section. Charge the battery for 2 hours for a full charge. The green

IMPORTANT: If there is no light, the device is off, and injections will not be

After reset, Mallya<sup>D</sup> is powered off and must be setup again.

# Figure AS

No signal

recorded.

(Figure AT)

solid light will come on when an error state and needs to ow the instructions in the lya<sup>p</sup>" section to reset Mallya<sup>p</sup> ersists, contact the Support ed signal is not an alarm at 60601-1-8.

In case of injection, if the red, the dose will not be

**Technical specifications** 

Intended

Patients

doses

Battery

Storage of

Model

Weight

Operating

## Symbols and information on the

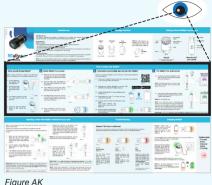
- Patients using a Novo Nordisk® pen injector designed for diabetes treatment Intended Users Users aged from 13 to 80 years old Intended Environment Home use Accuracy of recorded 99% ±1 increment on test bench Charge by USB connector. Full charge in 2h, 2 weeks-autonomy for daily injection / 4 weeks-autonomy for weekly injection. USB AC adaptor (not provided): IEC/UI\_60950-1 or IEC/UI\_62368-1 Charge and autonomy certified with CE or UL marking, external module with automatic adaptation of the voltage, 90-264V input voltage range. Electrical consumption 5V DC, ≥ 500mA Li-ion 3.6V 25mAh The last 100 recorded increments are stored in the recorded doses device's internal memory (including flow checks) Bluetooth® Low Energy v4.2 operating in the frequency band of 2400 MHz to 2483.5 MHz. 40 channels, 2MHz spacing channel, 1 MHz Communication channel bandwidth, 4dBm (2,5119 mW) max transmission power, -8dBm max EIRP (Equivalent Isotropic Radiated Power) CND1 Software version Firmware 1.1.x 40,1 mm (h) x Ø 25,8 mm / 1,58 in (h) x Ø 1,01 in 11 g / 0,39 oz Temperature ∬∕<sup>− 35°C</sup> 95°F 15% 700hPa 2°C \_ Do not freeze the device between injections (36°F <T° or 2°C < T°C) 2 years
- Further information is included in the Technical Note, available online at https://mv-mallva.com/us/diabetes

## device and/or its packaging and labels

SYMBOL DESCRIPTION Refer to the instruction manual / (3) booklet. Follow instructions for use ----Manufacturer SN Serial Number ∧~~~ FR Country and date of manufacture LOT Batch number UDI Unique Device Identification # Model number Distributor REF Product reference REF Distributor reference 2 Use by date MD Medical Device Type BF applied part (according to ۸ IEC 60601-1 continuous mode) Ingress Protection index IP22 (IEC IP 22 60529 \_\_\_\_ Direct curren  $\bigcirc$ For indoor use only Keep away from humidity Do not use if the packaging is damaged or opened WEEE; waste electrical and X electronic equipment (1) Single patient multiple use

#### 3 Restart Mallva<sup>D</sup>

Please refer to the section "How to setup your Mallya<sup>p</sup>" section on the front page of these instructions, starting with step 1 (Figure AK), to restart your Mallya<sup>D</sup> device.



**IMPORTANT:** You must complete all steps in the "How to setup your Mallyap section to restart your Mallya<sup>D</sup> device.

### Cleaning

Mallya<sup>D</sup> is not sterile and can be reused for a single patient only

Mallya<sup>D</sup> can be cleaned if necessary.

- To clean Mallya<sup>D</sup>:
- 1. Make sure Mallya<sup>D</sup> is unplugged and not connected to the USB charging cable.
- Wipe the external surfaces with a soft lintfree cloth, slightly damped with a small amount of neutral detergent if needed being careful not to get the micro-USB port
- Dry the surfaces with a soft cloth.

IMPORTANT: Mallya<sup>D</sup> is not waterproof, never wet the micro-USB port.

#### **Radio-communication statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with FCC radiation exposure limits set forth for general population. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC ID : 2AYCW-MALLYANN

#### **General information and contact** information



**BIOCORP PRODUCTION** ZI LAVAUR LA BECHADE 63500 ISSOIRE FRANCE Tel : +33 4 73 55 70 50 www.biocorp.fr



Address of Novo Nordisk affiliate distributing in USA - To be edited

In case of questions, problems or assistance, please contact BIOCORP PRODUCTION authorized dealer for technical support as identified on the outside of the packaging.



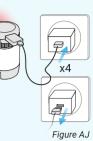


Figure AT