Speed
Dose
190
3
Syringe
Vacuum
N
63
MEMORY
M1
M2
M3
M4
OPERATE
NOVISMEDICAL
GROUP
NBI-300

User Guide

WARRANTY

CATEGORY	PRODUCT	PERIOD
MEDICAL DEVICE	CRYSTAL MESO INJECTOR	**1** year

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Warranty Exclusions

No warranty will apply if the device (1) has been altered, except by Nobamedi; (2) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Nobamedi in the applicable product documentation; (3) has been used in violation of the license granted by Nobamedi; or (4) has been subjected to unreasonable physical, thermal or electrical stress, misuse, negligence, or accident. The Warranty does not extend to any damages, malfunctions, or non-conformities caused by (1) normal wear due to product use; (2) use of non-Nobamedi furnished equipment with products.

SERVICE CONTACT

INOVISMEDICAL
Topaz 42 Ceasarea Israel
+972 (0)77-961-6121
contact@novismedical.com
www.inovismedical.com

SERIAL NUMBER:

1. PRODUCT

Crystal Meso Injector is an innovative digital injector system. The purpose of the product is to deliver drugs to treat patients. Precise control and safety features along with automated suction function allows stable delivery of drug to patient. To maximize the drug delivery result and treatment productivity, Crystal Meso Injector can be used with specially designed sterile multi needles. Crystal Meso Injector is designed in gun type and super light weight for the better handling and easy use and easy digital interface allows quick and easy control of the device that save time and effort. Unlike other medical devices, Crystal Meso Injector is designed with C-type charging port that can be used without the power cords so the user can charge with any USB charging methods and full charge can be used up to 2000 times.

1. 1 PURPOSE

Crystal Meso Injector is an advanced and innovative drug-delivery system.
This device allows advanced drug delivery on face, body, and scalp with sterile multi needle.
Enables suction function and special multi needles to penetrate the body with minimal pain.
Less time and efforts required for the procedure and maximize the patient's satisfaction.

1.2 FEATURE

Crystal Meso Injector must be handled by doctors and medical professionals
The Product is medical device classified under level 2 medical equipment

1.2.1 USER PROFILE

Content	Description
EDUCATION KNOWLEDGE	Education and knowledge (right amount of drugs, drug side effects, injection amount) is required by medical professionals (Doctors, Nurses, ect.) for proper use of the device
LANGUAGE	ENGLISH or KOREAN
USE	Must be fully informed with user manual before using the device
ERROR	N/A

1.2.2 OPERATION PRINCIPLE

Crystal Meso Injector is operated by suction motor that creates vacuum through the suction tube that allows the needles to deliver drugs safely to patients' scalp, skin, and face. With or without the suction mode, by pulling the trigger, Crystal injector is operated by electric motor that moves the piston holder back and forth. Motor allows the slider to move the piston holder of the device and the solution in the syringe is pushed to inject. Amount of injecting solution, speed of injection, and number of injections can be controlled by digital interface before the procedure. Amount of inject solution is related to the size of the syringe.

2. DANGER & WARNINGS

DANGER

- Crystal Meso Injector must be handled by medical professionals or certified doctors.
- The product does not contain maintenance parts.
- The product does not require regular maintenance
- If maintenance is needed, please contact certified engineers or the manufacturer office.
- Crystal Meso Injector must be used by medical professionals and certified doctor or nurse..
- When the battery power is low, vacuum power can be effected and requires charging to proceed.
- Device must be used with registered sterile needle. Do not use if the needle is damaged or the shape of the needle is changed..

WARNING

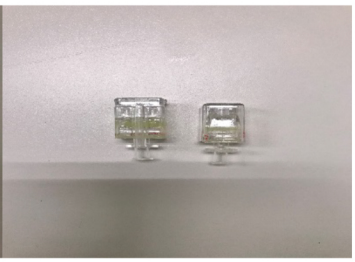
- Before using, user must be fully informed about the user manual.
- Please leave the battery charged before the procedure. Low battery power can cause low vacuum power.
- When moving the device with syringe and charging cable, please disconnect the cable and move safely.
- Syringe needs to be inserted correctly with the device. Please check the insertion condition properly before the procedure.
- Crystal Meso Injector must be used with sterile needle.
- The amount of solution inject can be different from size of the syringe and the system set up. User must be informed of system set up before use..

3. PRODUCT PACKAGE

BOX Package

Crystal Meso Injector

Cradle



Nedless 5 & 9 Pin needle for Test

Syringe Holder

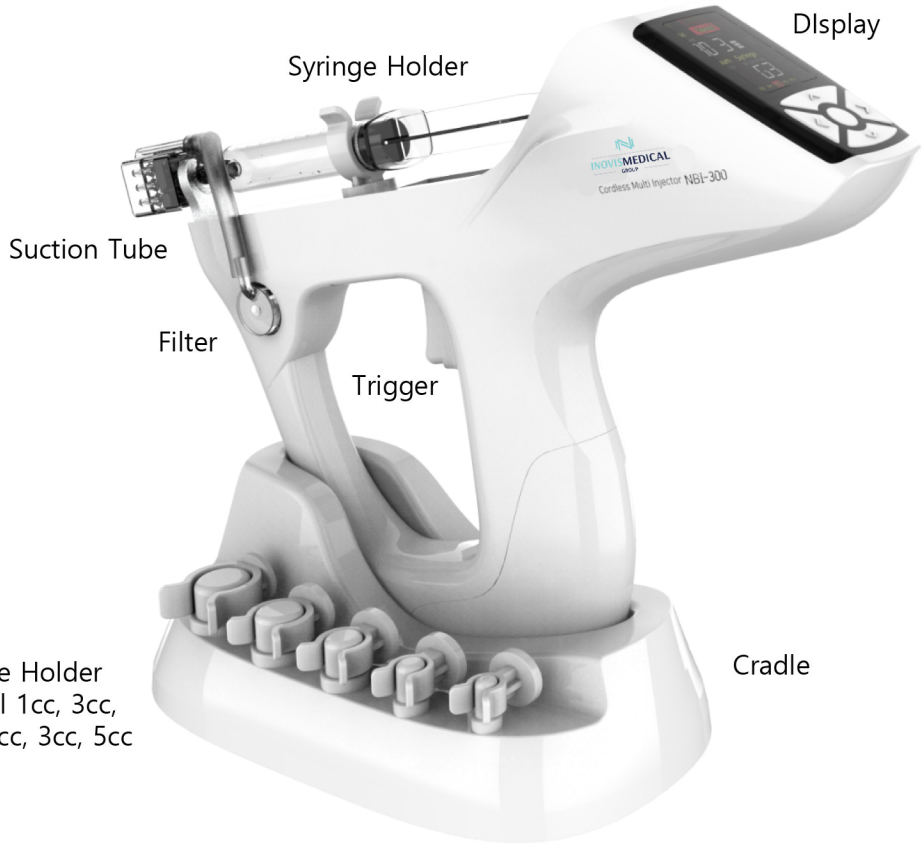
Suction Tube

C type charging cable

Manual / Warranty

3.1 DEVICE PARTS NAME

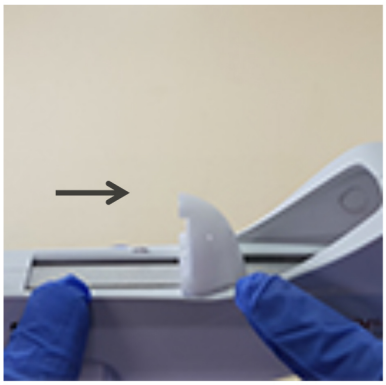
3.1.1 CRYSTAL MESO INJECTOR



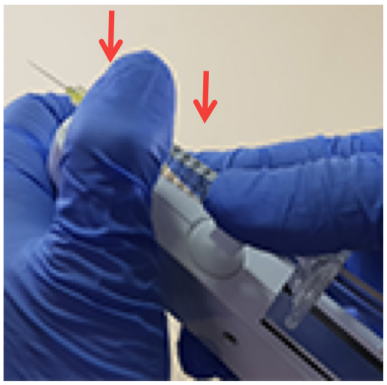
Syringe Holder
Normal 1cc, 3cc,
Glass 1cc, 3cc, 5cc

3.2 How to insert 1Pin Needle syringe into device

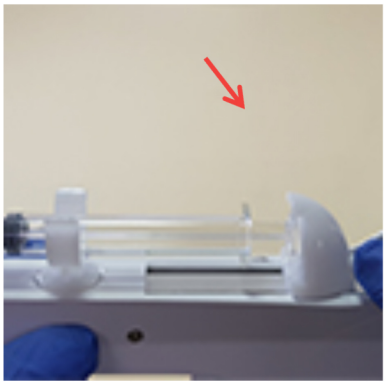
Step 1.
Prepare the Syringe



Step 2.
Move the piston holder back by screen control.



Step 3.
Insert the syringe in the hand piece with both thumbs.

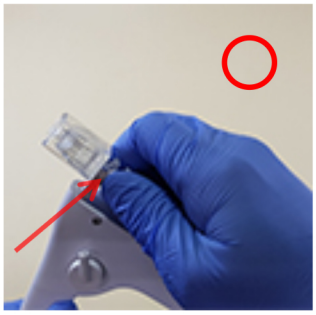


Step 4.
Move the piston holder forth by screen control

Step 5.
Completed picture for ready for procedure.

INFORMATION

As shown in the picture right side, please hold the syringe head part and device with two hands when taking off from the device.



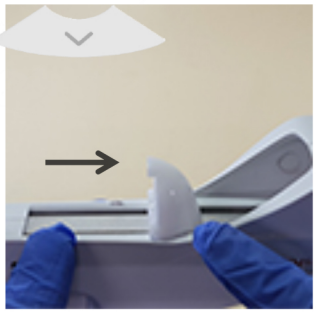
WARNING

When separating from syringe from device using one hand may cause damage to both syringe and the device.

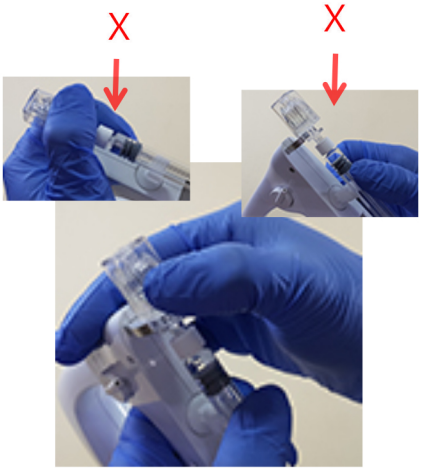
3.1 How to insert 5Pin Needle syringe into device

Step 1.
Prepare the 5pin needle and syringe

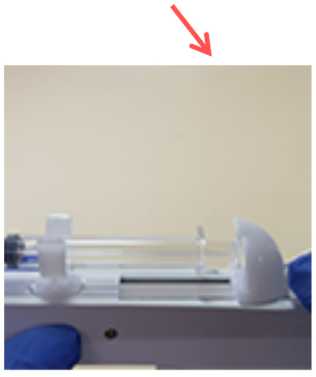
Step 2.Fasten the syringe and the 5pin needle together.



Step 3.
Move the piston holder back by the back button.



Step 4.
Insert the syringe into device using both thumbs



Step 5.
Move the syringe holder forth.

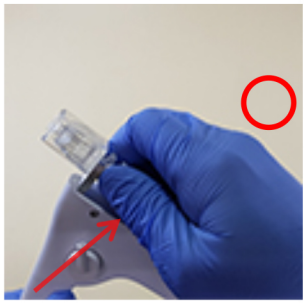
Step 7.
Completed picture of 5pin needle with device

INFORMATION

As shown in the picture right side, please hold the syringe head part and device with two hands when taking off from the device.

WARNING

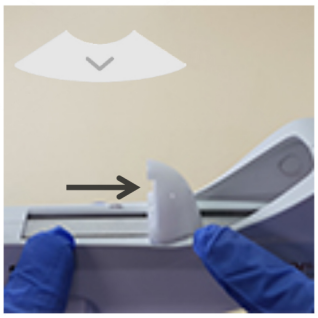
When separating from syringe from device using one hand may cause damage to both syringe and the device.



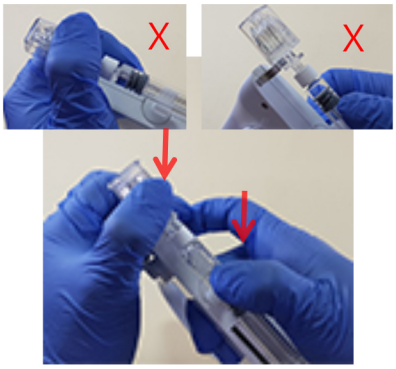
3.2 How to insert 9Pin Needle syringe into device

Step 1.
Prepare the 9pin needle and syringe

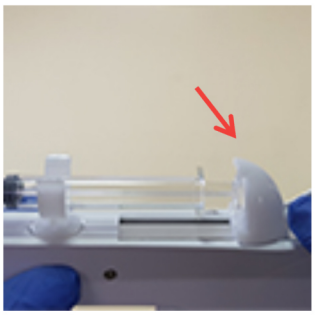
Step2.
Fasten the syringe and the 9pin needle together.



Step 3.
Move the piston holder back by the back button.

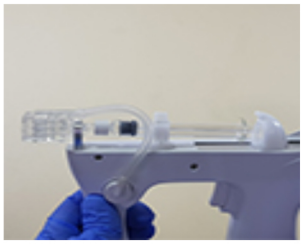


Step 4.
Insert the syringe into device using both thumbs



Step 5.
Move the syringe holder forth.

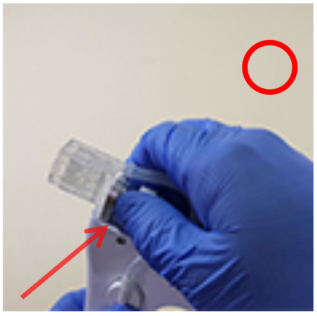
Step 7.
Connect the suction tube to the needle.



Step 8.
Completed syringe and suction tube.

INFORMATION

As shown in the picture right side, please hold the syringe head part and device with two hands when taking off from the device.



WARNING

When separating from syringe from device using one hand may cause damage to both syringe and the device.

4. HOW TO USE

4.1 DISPLAY INTERFACE & FUNCTION

- Shot

  It allows to set the number of shots to be injected for the set amount of solution. Can be moved with up and down button, and each shot number goes up from 3, 5, and 10 shots maximum of 200 shots. C is continuous mode that allows continuous injection with pulling the trigger and hold until the desirable time

- Solution

  The amount of solution inside the syringe can be set from 0-3.0. With up and down button, each click is 0.5 up and down.

- Speed

  Speed of injection time is highly related to the pain. It can be set from 1 – 5 and 1 represents slow and 5 is faster injection time. Commonly, fast injection time cause more pain to the patient.

- Vacuum

  Vacuum power can be set from 1~3. Higher number means stronger vacuum power. N mode is non suction mode that can be used with 5pin multi needle for scalp treatment.

- Syringe

  Syringe size can be set from G1 (Glass 1cc), G3 (Glass 3cc), N3 (Normal 3cc) and N5 (Normal 5cc).

- Memory

  Memory function allows M1-M4 saved set for the convenient use.

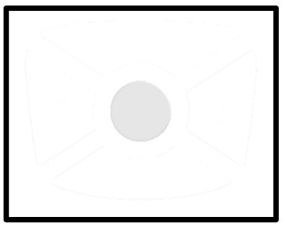
INFORMATION

The speed of injection time plays important function to the pain of the injection.

Commonly, in the case when the solution contains ingredients to cause potential pain, speed should be set in 1 which is the lowest.

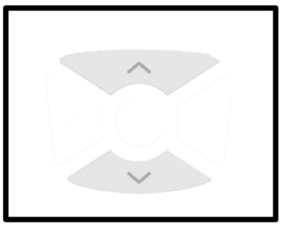
If the area of treatment is painful, injection speed can be controlled to lower number of speed to minimize the pain and safely finish the treatment.

4.2 CONTROL



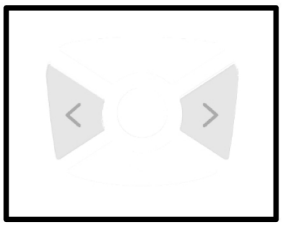
- On / Off , Select

-On -Press and hold the on button for 3seconds. Start sign shows up, press one more time.
-To off – Press and hold the button for 3 seconds
Click the circle button to select



- Set up / control / move piston holder

-When the menu is blinking, select the desirable set up value and click the select button to set.
-Move the piston holder back and forward by press and holding for the up and down button.



- Select Menu / Move

-One click allows menu to blink to control
-Two clicks allow to move to the next manu.

- Memory set up

From M1~M4, total 4 memory slots can be saved for user convenience.

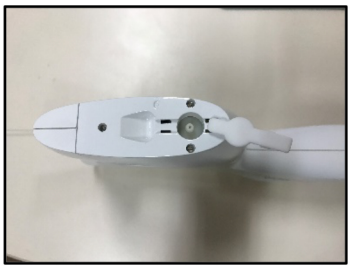
***Memory set up ***

1. Set the desirable setting of the shots, solution, Vaccum, Speed and Syringe size
2. Move to memory section, when memory section is blinking use up and down to select from M1~M4.
3. Choose one of the memory slots from M1~M4 and click and hold the circle button to save the current data of the device setting.
4. Beep sounds confirms the data saved.

INFORMATION

With low battery life, vacuum power can be effected and may cause drug loss. In this regard, please connect to the power bank or any charging device with USB connector.

5. Maintenance



1. Take the rubber cap out located on the bottom of the device.

2. Set the SHOT in C (continuous mode) Vacuum in 3.

3. Put the suction tube located in the side of the device into clean water .

4. Pull the trigger and hold to run the water from the suction tube to bottom of the device..

6. Product Information

No.	Name	Content
1	Product Name	Crystal Meso
2	Model	NBI-300
3	Manufacturer	Na-303, Seonjinporist , 58 Daeji-ro, Suji,gu, Gyeonggi-do, 16873, Republic of Korea
4	Product Authorization number	Marked on the product
5	Serial Number and date	Marked on the product
6	Purpose	solution delivery system device
7	Package	1 Set
8	Product usage	Included in user manual
9	Warnings	Included in user manual
10	Electrical character	In put : AC 100-240, 50-60Hz, 1.2A Out put: DC24V, 1.7A
11	Safety feature on electrical damage	Class 2 Medical Device

7. System Information

Product	Crystal Meso Injector	Level	2
Model	NBI-300		

8. Product Information

Electrical input	100V - 240V, 60Hz, 1.2A
Size	235mm x 45mm x 165mm(L, W, H)
Weight	363g (device)
Syringe size	Normal 3cc, 5cc Glass 1cc, 3cc, 5cc

9. Symbols & Safety sign

Symbol	Description
	Device must be used after fully informed with user manual
	Adaptor is classified under IEC 60601 and listed under Class II
	Cannot be thrown away with other garbage
	Device serial number
	Manufacturer sign with legal manufacturer address
	Manufactured date
	“Danger” sign must be informed and ignoring the danger sign may cause critical damage.
	“Warning” sign must be informed and ignoring the warning sign may cause critical damage.
	“Notice” sign, shows useful information about the product and system management.

This product is “Medical Device”
A/S contact :