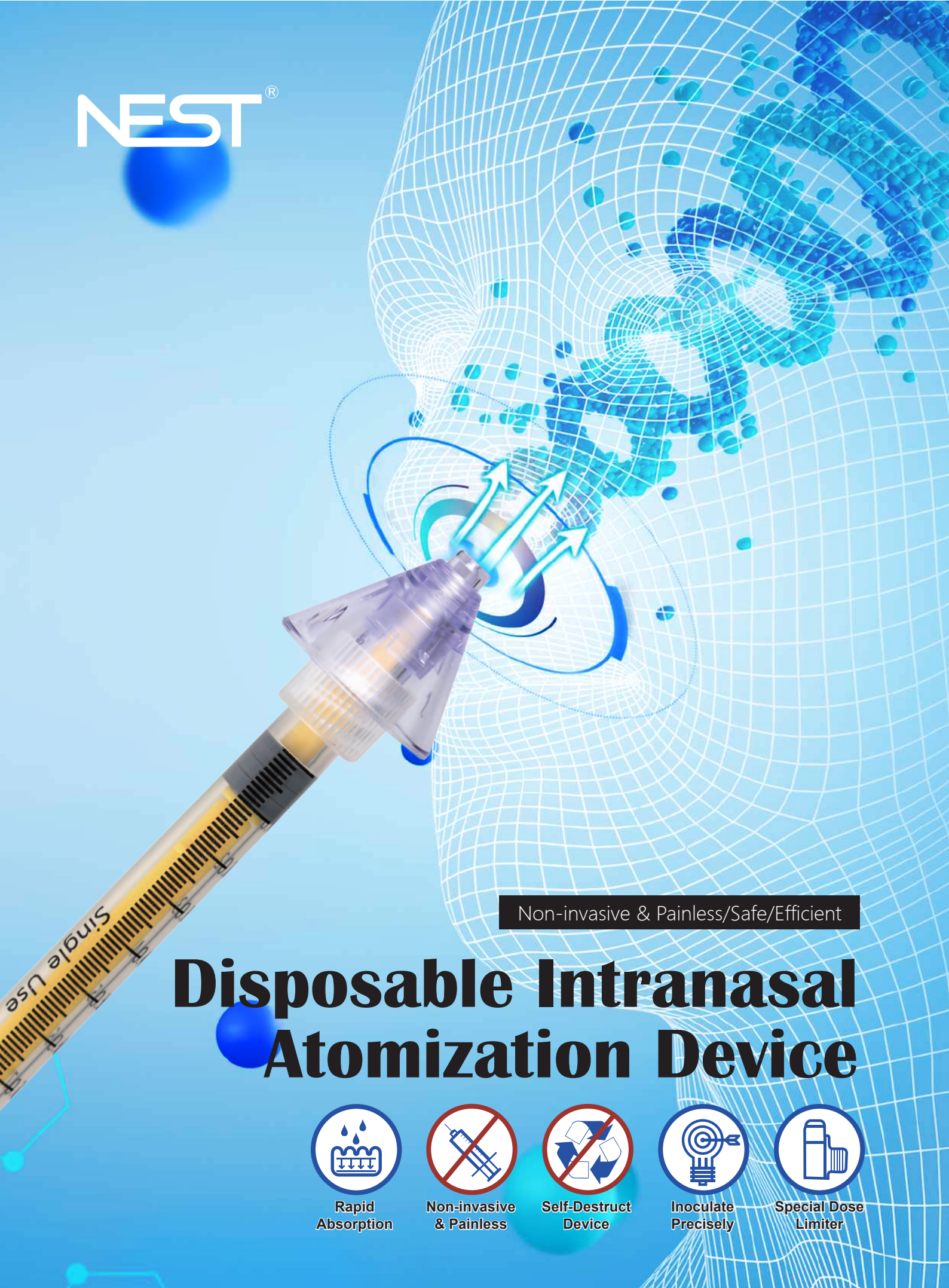


NEST[®]



Non-invasive & Painless/Safe/Efficient

Disposable Intranasal Atomization Device



Rapid Absorption



Non-invasive & Painless



Self-Destruct Device



Inoculate Precisely



Special Dose Limiter

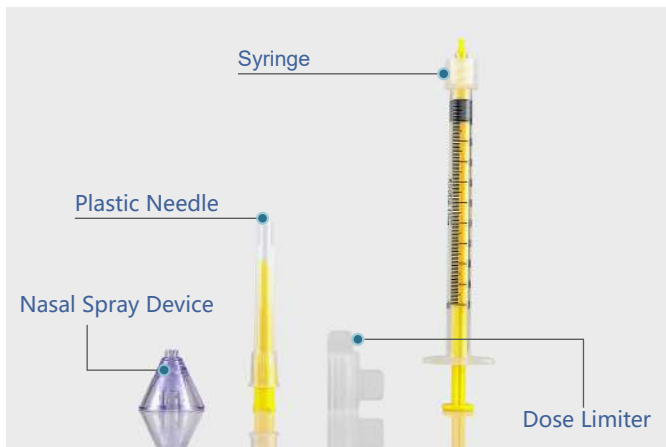


Product Presentation

The device provides a painless and rapid absorption medication delivery option for non-invasive intranasal medication delivery. It improves safety for both caregivers and patients by avoiding needle-sticking injuries.

It is an atomizing device for drug administration intended to convert liquid preparations into atomized particles and spray on the surface of human body tissues (or organs) for full contact to maximize the administration effect. Meanwhile, the reasonable and effective self-destructive structure ensures that the product can only be used once to provide users with safe and hygienic products.

Main Components



Product Parameter

Cat.No.	Specifications	Product Description	Qty/Pack	Qty/Case
201002	1 mL	Disposable Intranasal Atomization Device, White, with Plastic Needle, Syringe, Nasal Spray Device, Dose Limiter, Individually Packed,	1	1000
201002	1 mL	Disposable Intranasal Atomization Device, Yellow, with Plastic Needle, Syringe, Nasal Spray Device, Dose Limiter, Individually Packed,	1	1000

Micron-sized Spray Particles

The spray atomizes drugs into a fine mist of particles 10-70 microns in size.

Initiative

The first Company of China which has invented this device.

Patent No.
CN201820609059.4
CN202020350634.0
CN202010194009.6



Rapid Absorption

Since special designed nasal spray device could translate liquid into atomized particles, this device will promote drug be absorbed rapidly.



Non-invasive & Painless

The umbrella-like spray will not cause any damage or irritation to the human body.



Self-Destruct Device

Self-Destruct Device design make sure disposable use.



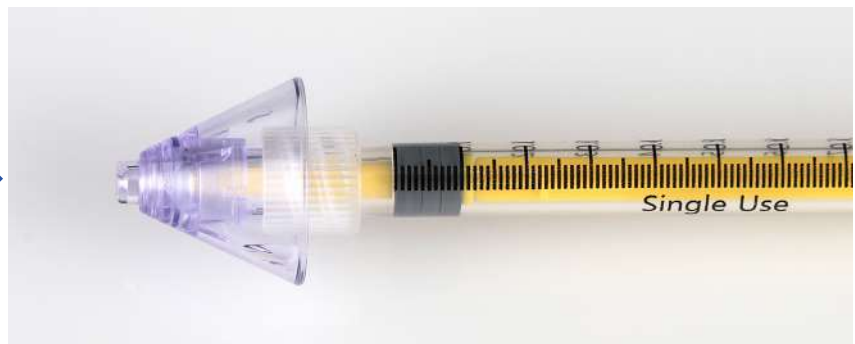
Special Dose Limiter

Easy to mount and remove by the special design of dose limiter as clamp.

Self-Destruct Device



Clear Scale



Inoculate Precisely

Using with dose limiter, made inoculate precisely become possible.



Step 1

Eliminate Air Calibrate Dose to 0.2 ml

Mount the dose limiter on push rod just like the picture on left shows, then press the push rod until the top of dose limiter meet the bottom of tube like picture on right shows. This step will eliminate the air and calibrate dose to 0.2 ml automatically.



<https://www.youtube.com/watch?v=H5tnqmnhGGA>

Watch operation video



Step 2

Injection of First Dose Precisely

Turn dose limiter 90° to the position like the picture shows. Gently aim the top of the spray nozzle on one nasal cavity of the patient and quickly press the push rod until the top of dose limiter meet the the bottom of tube. The 0.1ml dose injection was completed precisely.



Step 3

Injection of Second Dose Precisely.

After finish step 2, please remove the dose limiter, gently aim the top of the spray nozzle in another nasal cavity of the patient and quickly press the push rod until reach the bottom.

Direction for Use



1

Open the package and screw the plastic needle on the top of syringe.



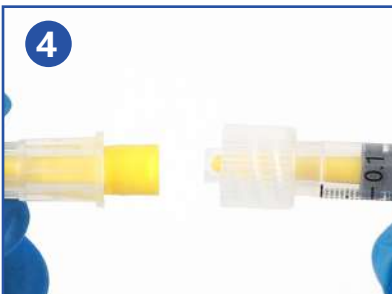
2

Extraction diluent.



3

Injecting diluent into lyophilized vaccine bottle, then shaking the bottle slightly until diluent and vaccine mixing totally. Extracting all drug liquid.



4

Cover the needle cap, then unscrew and discard.



5

Screw nasal spray device on the top of syringe.



6

Install dose limiter as required.

Successful Cases

—Lyophilized Live Attenuated Influenza Vaccine, Vaccinate by Nasal Mucosa



Advantage: Comprehensive Immunity

Mucosal Immunity & Humoral Immunity & Cellular Immunity

When influenza virus attacks the human body, it widely exists in the nasal cavity, respiratory tract and other mucosal sites, as well as in body fluids and cells. Lyophilized live attenuated influenza vaccine which vaccinate by nasal mucosa can quickly stimulate the triple immune response of the human body and carry out defense against different parts of the virus:

- ▲ Vaccinate by nasal mucosa which can form the first immune line in nasal cavity, produce mucous membrane immunity (IgA antibody).
- ▲ Arousing **humoral immunity** (IgG antibodies) to clear influenza viruses from body fluids.
- ▲ Arousing **cellular immunity** (T cells) to clear influenza viruses from cells.

When influenza virus attacks the human body, it widely exists in the nasal cavity, respiratory tract and other mucosal sites, as well as in body fluids and cells.



Nasal Mucosa



Body Fluids



Cells

Pre Potting Disposable Intranasal Atomization Device Coming soon...









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