

Application



FACE

- **Cosmetological MTS**
19needles 0.5 - 1mm
- **Acne vulgaris & Keloid**
4needles Btype 3mm + HA & Nicotinamide or Triamcinolone acetonide
- **Rosacea**
4 - 5needles 2mm + HA
- **Allergenic dermatitis**
19needles 1mm or 4 - 5needles 2mm + HA & Nicotinamide & Growth factor
- **PRP**
7needles 2 or 3mm
- **Nanofat**
7needles 2 or 3mm
- **Skin booster**
19needles 1mm or 4 - 5needles 2mm
- **HA filler (Non-cross-linked)**
4 - 7needles 2mm

FASTER EFFECT

- Mosquito / Bug bite emergency kit (Diphenhydramine / Dibucaine / Glycyrrhetic acid / Hydrocortisone)
- Local anesthetic
- Hemostatic injection
- Allergic urticarial (Hives)
- Papiloma

DEEPER LESION

- Oncology injection
- Intralesional injections (Corticosteroids, Bleomycin, 5-fluorouracil, Methotrexate, Chloroquine and Interferons)
- Hyperplastic and hypertrophic skin disorders (Lichen simplex chronicus, Hypertrophic Discoid lupus erythematosus, Psoriasis and Cutaneous sarcoidosis)

HAIR LOSS

- **Hair thinning & Hair loss**
4 - 5needles 2mm + Biotin & Growth factor
- **Scalp inflammation & Allergy**
4 - 5needles 2mm + HA & Nicotinamide
- **Scalp superficial treatment**
19needles 0.5 - 1mm



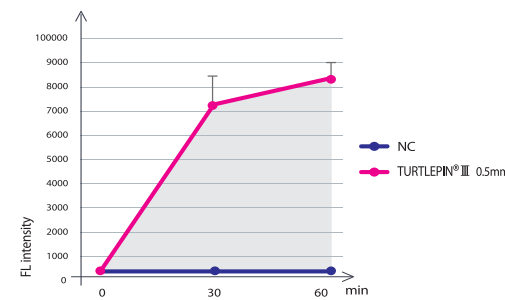
Reference

MicroettePlus™ Automated test system¹⁾

Specimen Porcine skin eGFP (2mg / ml) in PBS
Investigational substance TURTLEPIN® III 0.5mm

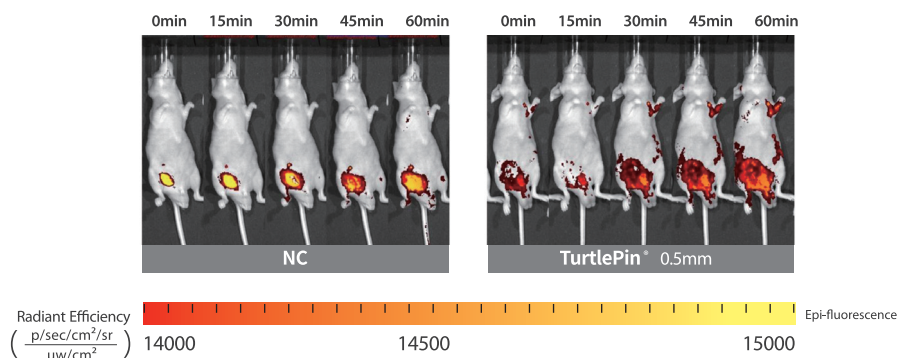
Average	min		
	0	30	60
NC	242	225	279
0.5mm	269	7403	8302

"0.5mm shows higher FL intensity level (30x) and faster penetration speed (20x) in comparison to normal application (NC)." ¹⁾



TURTLEPIN® III In-vivo test¹⁾

Mouse : balb/c-nu/nu(6wks,male)
Sample : eGFP (2mg/ml) 100ul diffused.

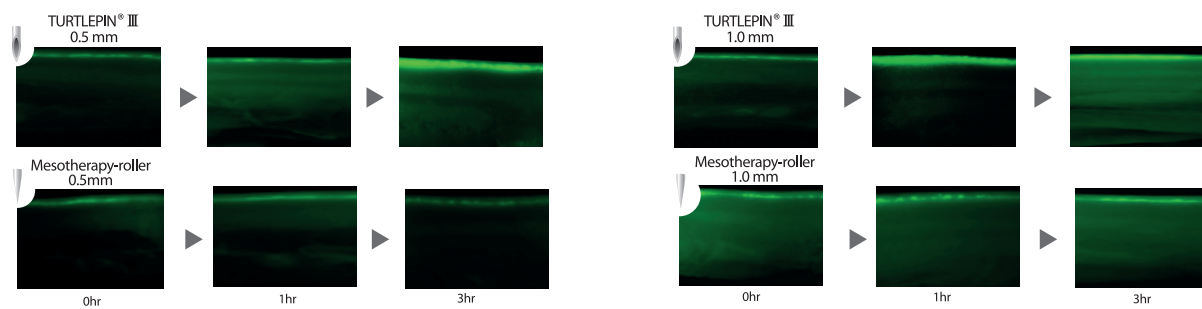


1) Korea Research Institute of Bioscience & Biotechnology (KRIIBB, 2013), *In Vivo & In Vitro - TURTLEPIN® III, KRIIBB

TURTLEPIN® III VS Mesotherapy-roller penetration rate comparison²⁾

Specimen Porcine skin eGFP (2mg / ml) in PBS
Investigational substance TURTLEPIN® III 0.5mm, TURTLEPIN® III 1.0mm, mesotherapy-roller 0.5mm, mesotherapy-roller 1.0m

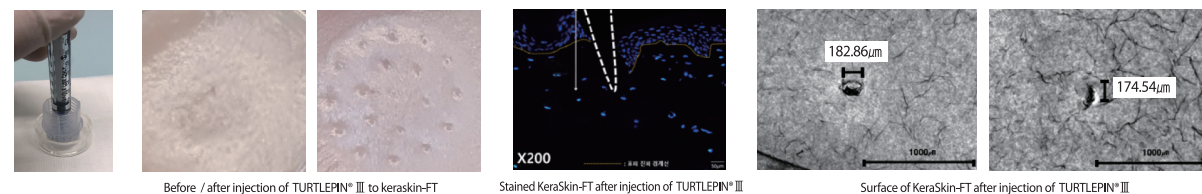
"The use of TURTLEPIN® III series (both 0.5mm & 1.0mm) significantly results in better penetration rates of eGFP than in the use of MTS – Roller. [...] Considering the greater convenience and reduced pain experienced in the use of TURTLEPIN® III, it may be more suitable for mesotherapy – ideal for both patients and professionals." ²⁾



2) Korea Research Institute of Bioscience & Biotechnology (KRIIBB, 2015), Comparison study of TURTLEPIN® III and mesotherapy-roller

TURTLEPIN® III A direct trans-dermal injection test³⁾

Specimen Reconstructed human full-thickness skin model
Investigational substance TURTLEPIN® III 1.0mm



"According to analysis of epidermal and dermal layers by way of fluorescent staining (DAP) and H&E staining after injection of TURTLEPIN® III to KeraSkin-FT, it confirmed that the TURTLEPIN® III 1.0mm reached the dermal layer through epidermal layer." ³⁾

3) LEE Su-hyeon, D. Eng (2020), A direct trans-dermal injection test in a reconstructed human skin model with TURTLEPIN® III



This is not just a needle.

Superficial stimulator 0.5mm, 1.0mm
Perpendicular injector 2.0mm, 3.0mm

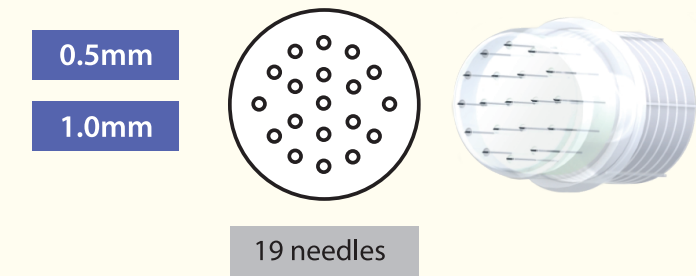


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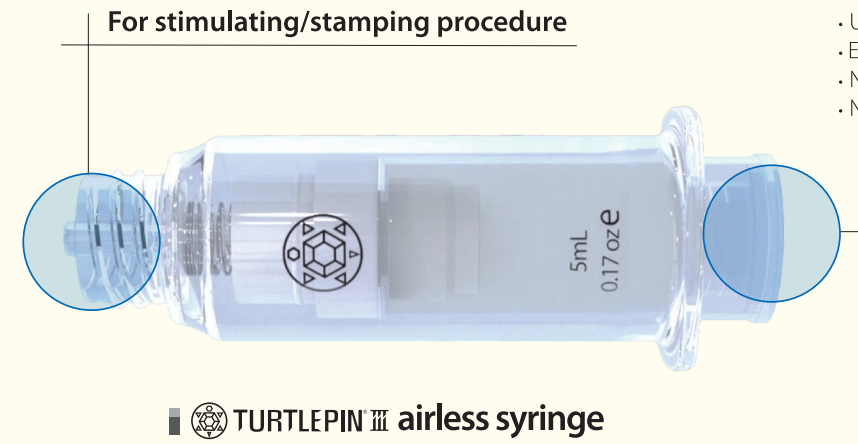
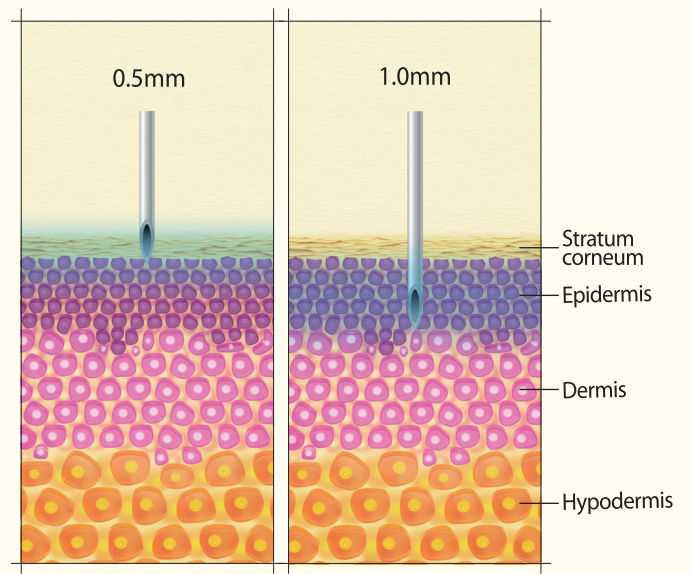
skinzzo 4.0 medical



SUPERFICIAL STIMULATOR



- » Enhances the absorption rate of purposed drug by up to 30 times compared to topical application.
- » Enhances the absorption rate of purposed drug by up to 15 times compared to the conventional MTS device using acupuncture needle.
- » Equally positioned 19 needles facilitate equal diffusion of liquid drugs.
- » 32G hypodermic needle requires no down-time.
- » Due to a short recovery time and minimal pain, our stimulator procedure can be combined with a conventional injecting procedure on a bi-weekly basis.
- » No anesthesia required.



TURTLEPIN III airless syringe

- User-friendly ergonomic design
- Equal amount of diffusion (0.06cc / 1 stamp)
- New technique for superficial stimulation
- No regurgitation or leakage

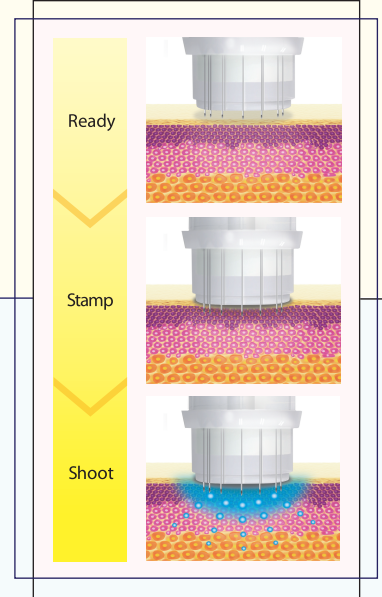
32G hypodermic needle
Accurate penetration and direct delivery of drugs

Luer-lock
Compatible with all types of syringe

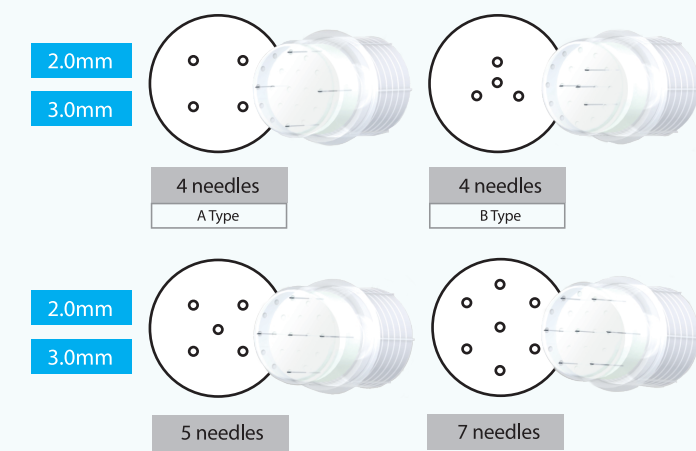
LANCET 2x CUT
Reduced pain and risk of injury



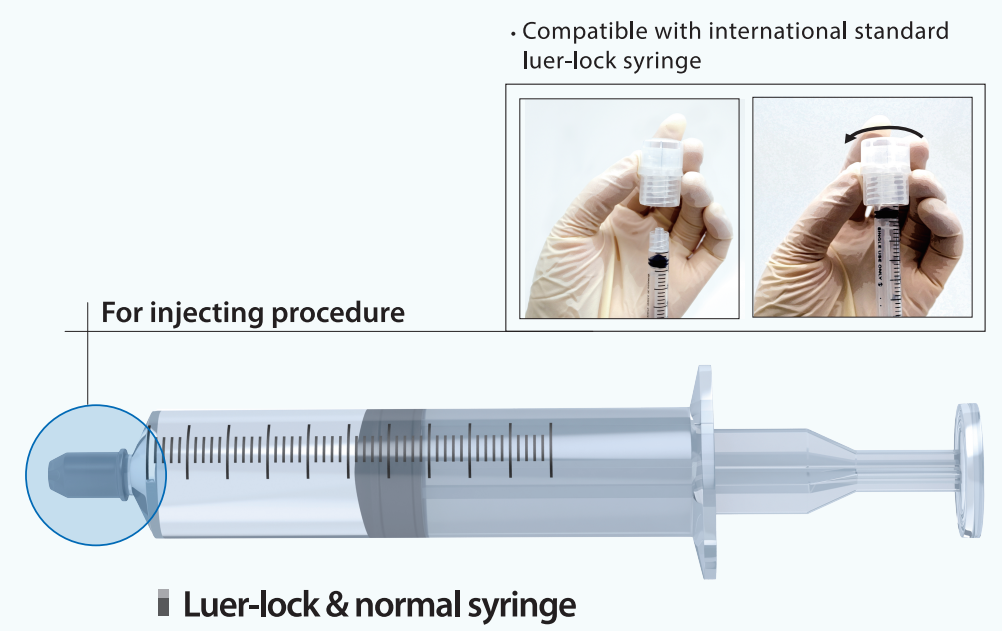
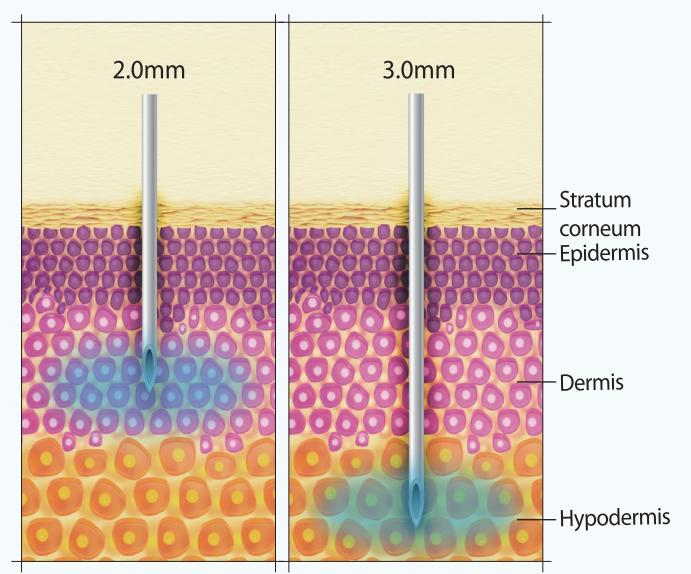
TURTLEPIN® III must be positioned at a perpendicular direction at all times during the procedure. The device shall not slip when attached to and detached from the skin.



PERPENDICULAR INJECTOR



- » Reduces the procedure time by up to 3 times compared to a single needle procedure.
- » Perpendicular injection allows professionals to reach the target layer more easily and accurately.
- » Different types of needle layout and length present various options for professionals depending on the procedure purposes.
- » Can be used with fillers with high viscosity level which is equivalent to cross-linked HA.



Luer-lock & normal syringe

