

ReplengenTM

Hyaluronic Acid Dermal Filler





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Hyaluronic acid Filler · HA 필러

- The filler is a syringe type medical device. When injected into the body, it temporarily replenishes the skin tissue to improve facial and body wrinkles and restore the volume.

(필러란 주사 타입의 의료기기로서, 체내에 주입하여 피부조직을 일시 적으로 보충함으로써 안면 및 신체의 주름을 개선하고 미관 상 불륨을 회복시켜 줍니다.)

- The filler is deep wrinkles, low foreheads and noses and others fills lower depressed areas that can not be solved with Botox, and the procedure time is short within 15 minutes and the effect can be checked immediately after the procedure

(필러는 보톡스로 해결하기 어려운 안면 깊은 주름이나 낮은 이마, 코 함몰된 부위를 채워주며, 시술 시간이 15분 이내로 짧고 시술 후 즉시 효과를 확인할 수 있다는 장점이 있습니다.)

Hyaluronic acid · 히알루론산

- Hyaluronic acid is an in vivo substance widely distributed in human body, chicken crest, skin tissue, placenta, shark cartilage and is harmless to human body.

(히알루론산은 인체, 닭 벼슬, 피부조직, 태반, 상어 연골 등에 널리 분포 되어 있으며, 인체에 무해한 물질입니다.)

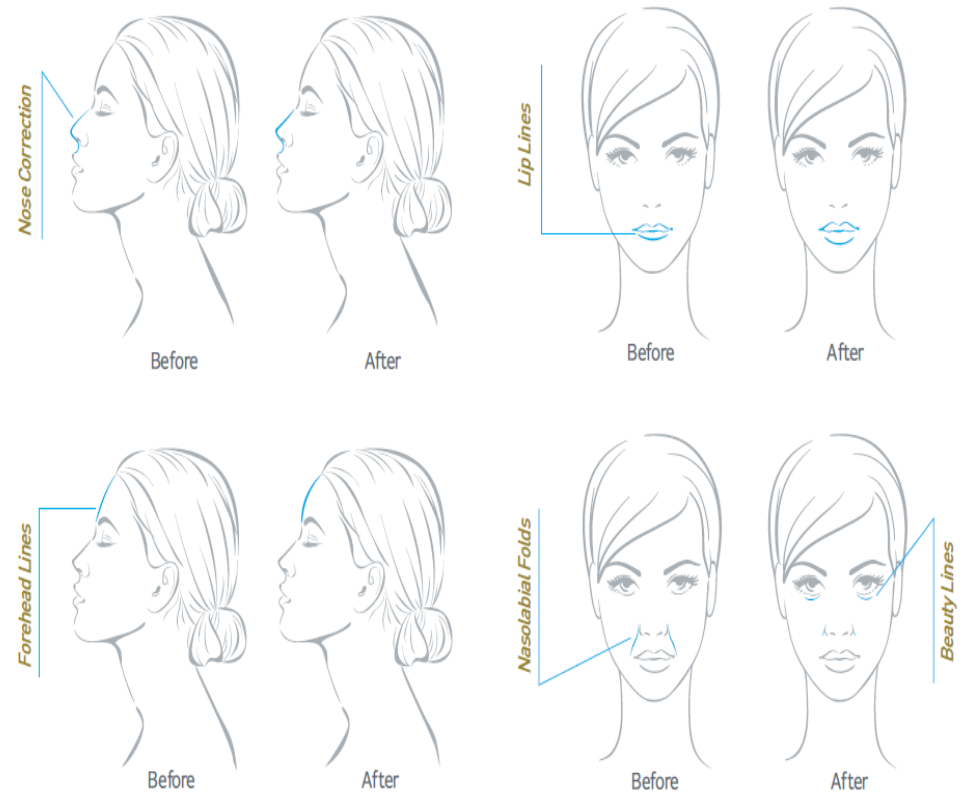
- Hyaluronic acid has excellent biocompatibility and very high—viscoelasticity even when it is transplanted or injected into living body is used for various purposes because it has moisture retention, antibacterial, anti—inflammation and lubrication effect.

(히알루론산은 생체에 이식 또는 주입한 경우에도 우수한 생체적합성과 매우 높은 점탄성을 가지며 보습력과 항균, 항염효과 등이 있어 다양한 용도로 사용되고 있습니다.)

1. Hyaluronic acid Filler ?

Hyaluronic acid Filler · HA 필러 특징

- **W**rinkled skin or volume is injected into the desired body area to fill the depressed area, helping skin moisturize and elasticity.
(볼륨을 원하는 부위나 주름진 신체 부위에 주입하여 함몰된 부위를 채워주며, 피부 보습과 탄력에 도움을 줍니다.)
- **B**iodegradation in the human body after about 6 to 12 months after the procedure.
(시술 후 약 6~12개월 지속되며 인체내에서 자연 분해됩니다.)
- **B**ecause the treatment area is not incised, there is little edema or pain.
(시술 부위를 절개하지 않아, 부종이나 통증이 거의 없습니다.)
- **T**he treatment time is very short and immediate effect can be seen.
(시술 시간이 매우 짧고 즉각적인 효과를 볼 수 있습니다.)



2. Advantages of Only Replengen™

Accurate Treatment · 정밀한 시술성

- Glenzen's GI (Grinding Irregular) technology is used to fine-tune the gel particles of the filler to achieve precise pressure output, ensuring sooth injection and stable operation.

(주)글랜젠만의 GI(Grinding Irregular) 기술로 필러의 Gel 입자를 정교하게 하여 정밀한 압출력을 실현하였으므로, 부드러운 주입감과 안정적인 시술성을 보장합니다.)

High Safety · 높은 안전성

- Replengen™ used the highest quality hyaluronic acid(Made in Japan / Shiseido company, Ltd) and safety was secured by completely eliminating the risk factors through real-time monitoring of harmful substances such as BDDE, endotoxin, heavy metals and microbial contamination that can occur in the manufacturing process.

(리플랜젠은 최상 품질의 히알루론산(Made in Japan / Shiseido company, Ltd)을 사용하였으며 제조 공정에서 발생할 수 있는 BDDE, 엔도톡신, 중금속 및 미생물 오염 등 유해물질 실시간 모니터링을 통하여 위험요소를 완전히 제거함으로써 안전성을 확보하였습니다.)

Excellent Quality · 우수한 품질

- The Replengen™ filler, which was created by research and development of the best R&D manpower in the industry, introduction the latest experimental equipment and has been proved through strict quality control and guarantee system and maximized the effect of wrinkle improvement and volume recovery after the procedure.

(동종업계 최고 수준의 R&D 기술력을 바탕으로 탄생된 리플랜젠 필러는 최신 실험장비보유 및 국가 공인 품질관리 시스템 준수를 통해 제조된 고품질의 제품으로서 시술 후 주름 개선과 볼륨 회복 효과를 극대화 하였습니다.)



3. Replegen™ Filler

Line-up 1.1mL



Replegen™ **Fine** With Lidocaine

Used to treat shallow wrinkles such as eye wrinkles, neck wrinkles and fine wrinkles.

(눈가주름, 목주름, 미간주름 등 얇은 주름을 개선하는데 사용됩니다.)



Replegen™ **Deep** With Lidocaine

Used to treat moderate or deep wrinkles such as nasolabial fold, or enlargement of the face, chin, lips.

(팔자주름과 같은 중간 또는 깊은 주름을 개선하거나, 얼굴, 턱, 입술 등의 확대 시술에 사용됩니다.)



Replegen™ **Volume** With Lidocaine

Excellent for creating and maintaining structures with high viscoelasticity and used to improve deep wrinkles and facial contours.

(점탄성이 아주 높아 구조를 만들고 유지하는데 탁월하며 깊은 주름과 얼굴의 윤곽 개선에 사용됩니다.)



Replegen™ **Implant S** With Lidocaine

The most viscous product used to improve deep wrinkles and facial contour.

(점탄성이 가장 높은 제품으로 깊은 주름과 얼굴의 윤곽 개선에 사용됩니다.)

ZE 3. Replegen™ Filler

Specification

Product Name	Replengen Fine With Lidocaine	Replengen Deep With Lidocaine	Replengen Volume With Lidocaine	Replengen™ Implant S With Lidocaine
Gel Type	Monophasic			
Crosslinked HA	24mg/mL			
Lidocaine HCl	3mg/mL			
Viscoelasticity	60 ~ 100 Pa	160 ~ 200 Pa	260 ~ 300 Pa	380 ~ 450 Pa
Extrusion Force	17 ~ 19N	14 ~ 16N	14 ~ 16N	10 ~ 25N
Needle Size	30G	27G	25G	25G
		T.S.K Premium Needle (Made in Japan)		
Volume	1.1mL			
Packing(Carton)	1 Syringe, 2 Needle	1 Syringe, 1 Needle, 1 Cannula		
Duration	6~12months	12~18months		6~12months
Crosslinking Agent	BDDE(1,4-ButaneDiol Diglycidyl Ether)			
Injection area	Shallow wrinkles	Deep wrinkles	Facial contouring	Deep wrinkles
Injection Depth	Dermis	subcutaneous	Deep subcutaneous	Dermis
Storage	2~25℃			
Expiry date	24 months from the date of manufacture			



3. Replegen™ Filler

Line-up 10.0mL



Replegen™ 20

Used to improve the body's shallow wrinkles and body contouring.

(신체의 얇은 주름과 윤곽 개선에 사용됩니다.)



Replegen™ 20 Plus With Lidocaine

Used to improve the body's shallow wrinkles and body contouring.

(신체의 얇은 주름과 윤곽 개선에 사용됩니다.)



Replegen™ 40

Used to improve the body's deep wrinkles and body contouring.

(신체의 깊은 주름과 윤곽 개선에 사용됩니다.)



Replegen™ 40 Plus With Lidocaine

Used to improve the body's deep wrinkles and body contouring.

(신체의 깊은 주름과 윤곽 개선에 사용됩니다.)



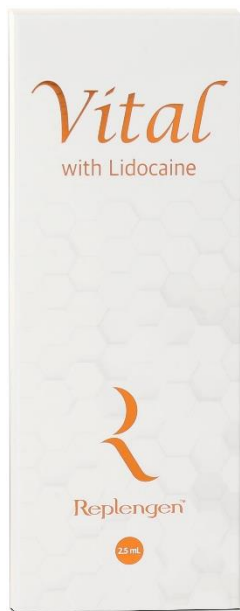
3. Replegen™ Filler

Specification

Product Name	Replengen <u>20</u>	Replengen <u>20 Plus</u> With Lidocaine	Replengen <u>40</u>	Replengen <u>40 Plus</u> With Lidocaine
Gel Type	Monophasic			
Crosslinked HA	20mg/mL	24mg/mL	20mg/mL	24mg/mL
Lidocaine HCl	—	3mg/mL	—	3mg/mL
Viscoelasticity	260 ~ 300 Pa		380 ~ 420 Pa	
Volume	10.0mL			
Packing(Carton)	1 Syringe			
Duration	12~18months			
Crosslinking Agent	BDDE(1,4–ButaneDiol Diglycidyl Ether)			
Injection area	Body contouring			
Injection Depth	Deep subcutaneous			
Storage	2~25℃			
Expiry date	24 months from the date of manufacture			

ZE 3. Replengen™ Filler

Replengen™ Vital With Lidocaine



Used to treat shallow wrinkles such as eye wrinkles, neck wrinkles and fine wrinkles.

(얼굴의 미세 선 또는 얇은 주름을 개선하는데 사용됩니다.)

Specification

Product Name	Replengen™ Vital With Lidocaine
Gel Type	Monophasic
Crosslinked HA	20mg/mL
Lidocaine HCl	3mg/mL
Viscoelasticity	10 ~ 30 Pa
Volume	2.5mL
Packing	2 syringe/ carton
Duration	2~4months
Crosslinking Agent	BDDE (1,4-ButaneDiol Diglycidyl Ether)
Injection area	Shallow wrinkles
Injection Depth	Epidermis
Storage	2~25℃
Expiry date	24 months from the date of manufacture



3. Replegen™ Filler

Safety Data

Test Item		Criteria	Result
Appearance		Colorless transparent, Viscous liquid with no foreign material	Conformity
pH		6.8~7.5	7.01
Actual capacity		More than 1.1mL	1.1mL
Osmolality		200~400 mOsm/kg	302 mOsm/kg
Assay	1) Sodium Hyaluronate	Sodium Hyaluronate 90.0 ~ 110.0%	101.1%
	2) Lidocaine HCl	Lidocaine HCl 0.27 ~ 0.33% (2.7 ~ 3.3mg/ML)	0.31%
Endotoxin		< 12.5 EU/ML	< 0.05 EU/mL
BDDE residue		< 2.0 ppm	0 ppm
Heavy metal		< 10.0 ppm	0 ppm
Sterility test		sterile	Conformity
Packaging		Suitable for criteria	Conformity



4. Replengen™ Smart Portable Injector

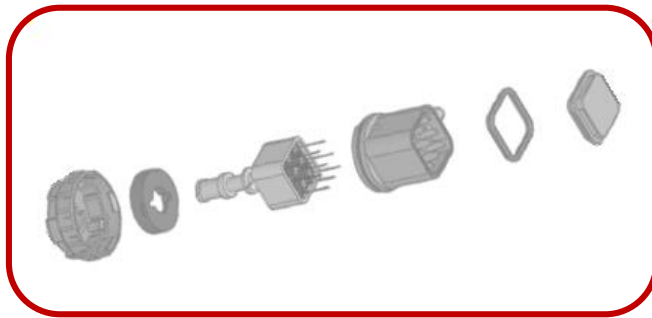


Product Information

<u>Product name</u>	▪ Replengen Smart Portable Injector
<u>Purpose of use</u>	▪ Injection of drug · 약물주입기
<u>Manufacturer</u>	▪ GST Co., Ltd. · (주)그랑에스엔티
<u>Manufacture and sales</u>	▪ Reanzen Co., Ltd. · (주)리엔젠

4. Replengen™ Smart Portable Injector

9-pin exclusive multi needle · 전용 9Pin Needle

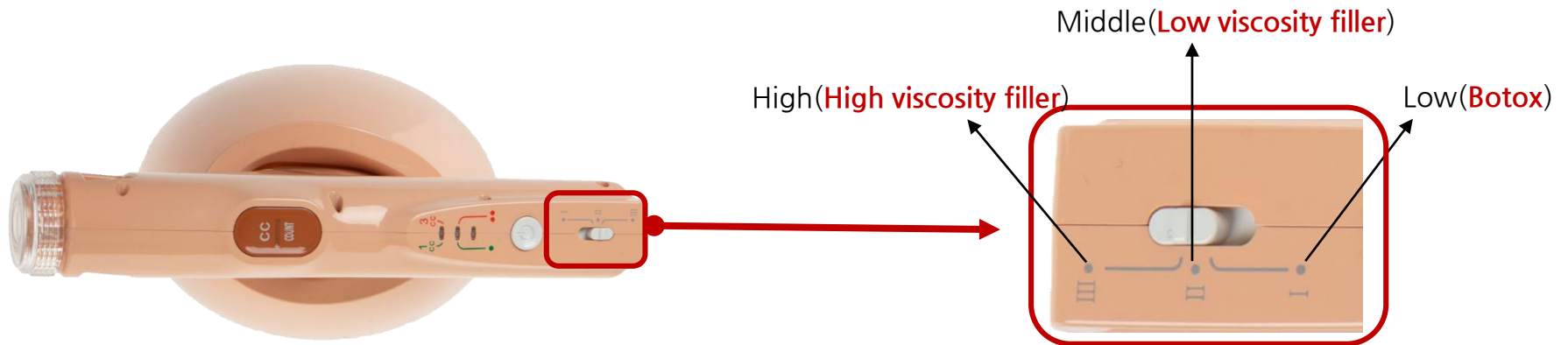


- Minimize skin irritation and drug loss
피부자극 및 약물 손실 최소화
- Fast treatment and strong durability
빠른 시술 및 강한 내구성
- Excellent compatibility(1~3mL Syringe applicable)
뛰어난 호환성(1~3mL 주사기 사용가능)

4. Replengen™ Smart Portable Injector

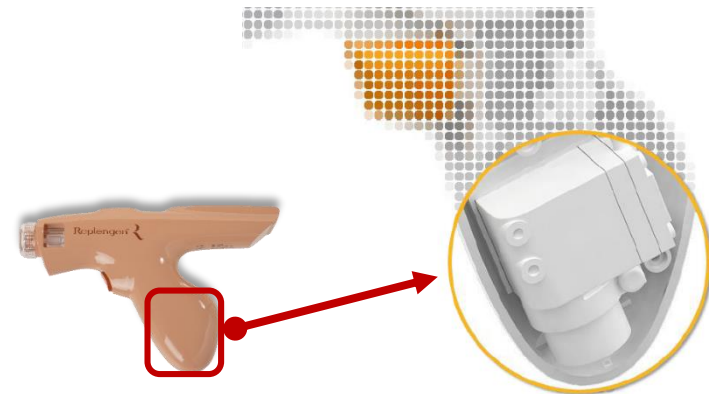
Select function by drug viscosity · 약물의 점도에 따른 선택기능

- Replengen Smart Portable Injectors can be used with non-viscosity Botox and even highly viscosity filler.
점성이 없는 보톡스와 점성이 높은 필러도 사용가능.



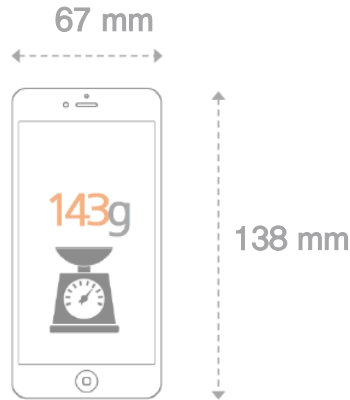
Suction function · 흡입 기능

- It works when the shot switch is pressed.
샷 버튼 누를때 작동
- It can be evenly injected throughout the face.
얼굴 전체에 고르게 주입



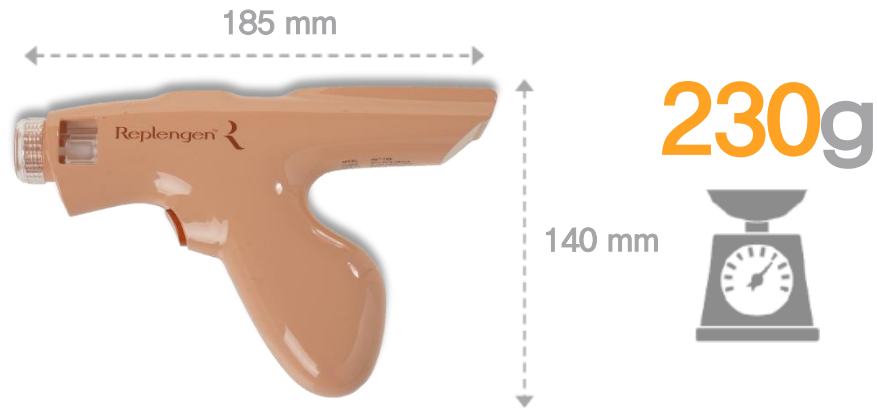
4. Replengen™ Smart Portable Injector

Compact Design · 작고 가벼운 디자인



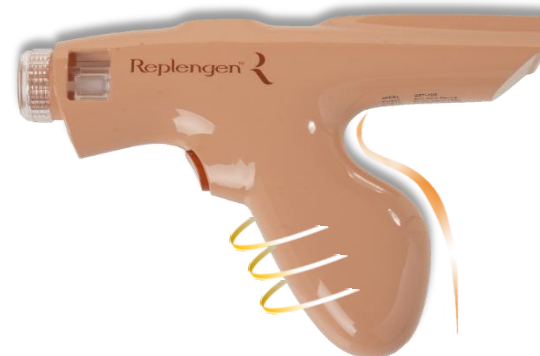
Standard : Apple iPhone 6S

VS



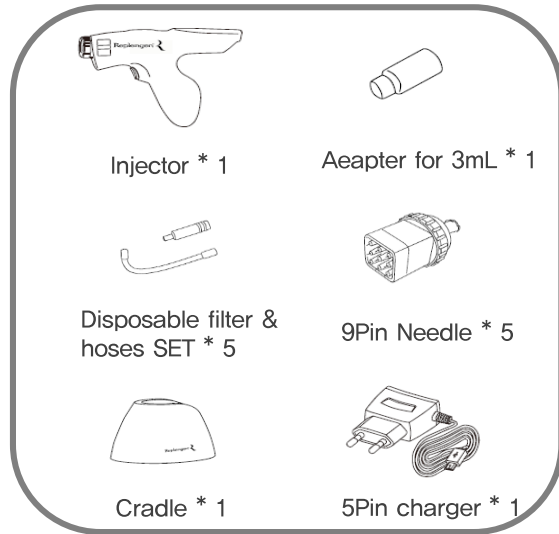
User-Friendly Design · 사용자 친화적 디자인

- Ergonomically designed for convenient use.
인체공학적으로 설계하여 편리하게 사용할 수 있습니다.



4. Replengen™ Smart Portable Injector

Packing



product components(구성품)



Package(Bag)

Specification

<u>Size / Weight</u>	▪ Injector : W187*L140*H30(mm) / 230g
	▪ Cradle : W100 * L130 * H80(mm) / 150g
	▪ Package(Bag) : W370 * L265 * H160(mm) / 2.83kg
<u>Battery</u>	▪ 3.7V / 1,200mAh

<u>Voltage</u>	▪ 450mmHg/cm2
<u>Charging time</u>	▪ Approx. 60min
<u>Continuous use</u>	▪ Approx. 90min
<u>Applicable syringe</u>	▪ 1mL ~ 3mL

Thank You

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