

Voferon WI

a new standard in simplified
surgical-site pain control



Voferon WI

One application, sustained pain control for up to 3 days

Voferon WI is a hyaluronic acid-based drug delivery system (DDS) designed to provide sustained pain control directly at the surgical site.

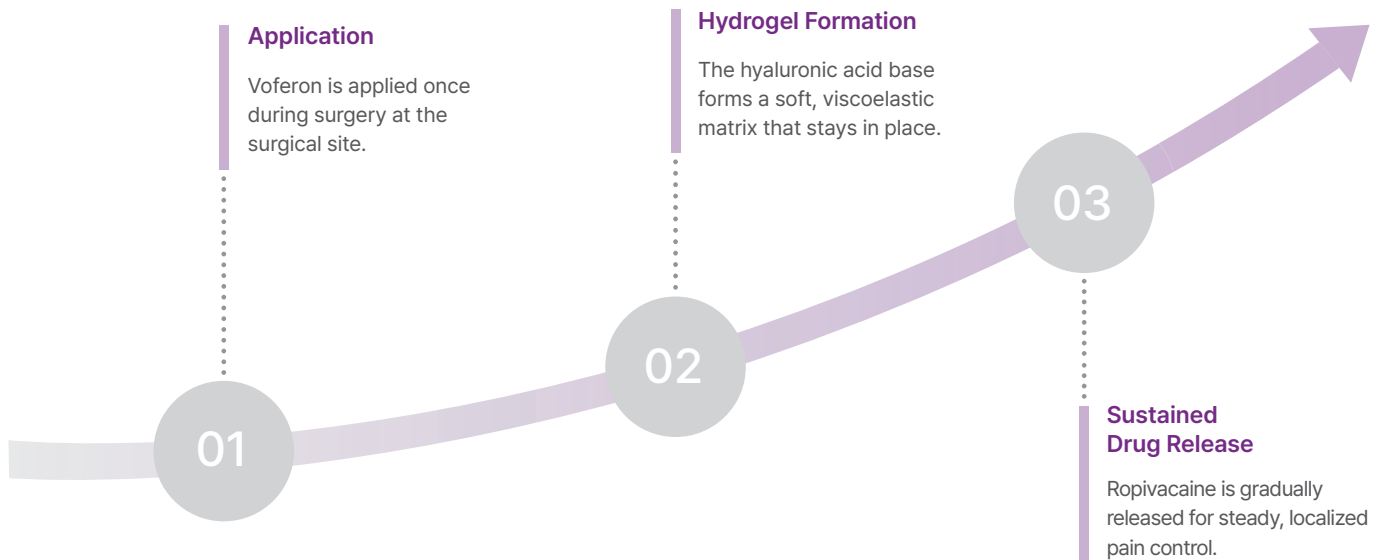
When applied once during surgery, the hydrogel matrix gradually releases ropivacaine, enabling localized and prolonged analgesia.

This approach supports effective postoperative pain management without the need for infusion catheters or pumps used in continuous wound infiltration systems.



How Voferon Works

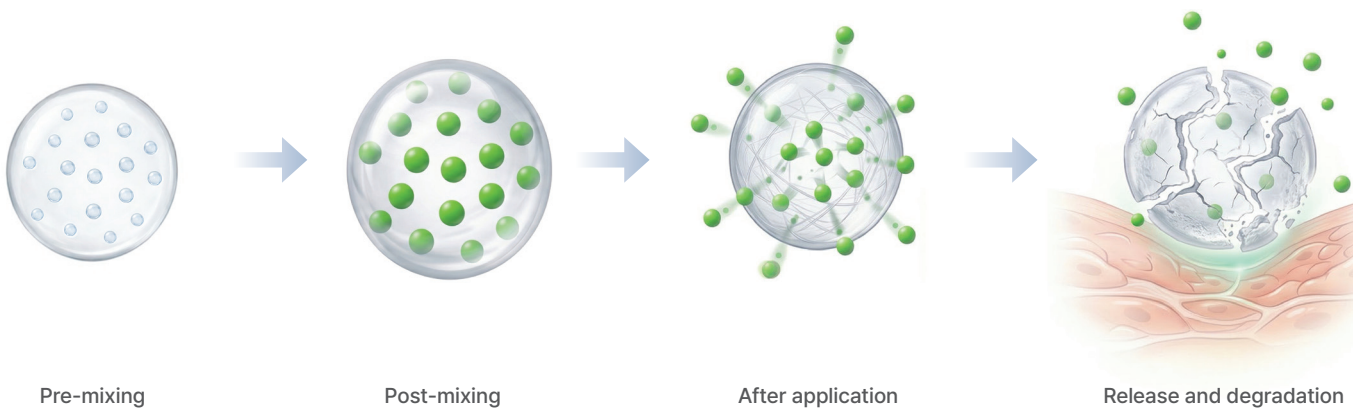
Targeted pain control through hyaluronic acid DDS



Controlled Release Through Crosslinked HA

Engineered for steady, long-lasting local delivery

- Voferon WI
- Ropivacaine

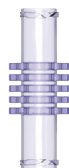


Components

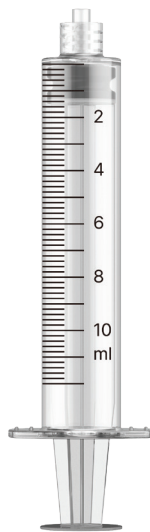
Every component with a purpose



HA Prefilled Syringe



Syringe Mixing Tube



PP Luer-lock Syringe



Cannula



Side-hole Needle



Needle

Description	Quantity
HA Prefilled Syringe	1
Syringe Mixing Tube	1
PP Luer-lock Syringe	1
Needle	1
Side-hole Needle	1
Cannula	1

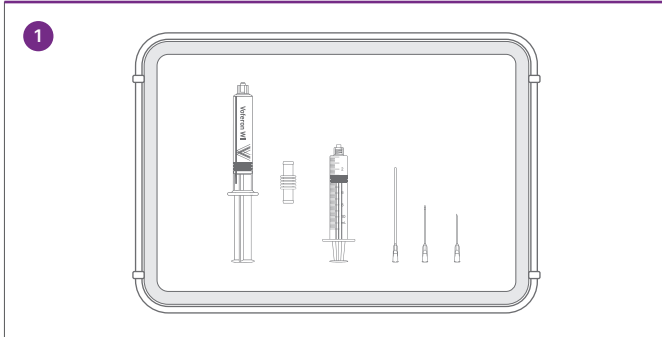
Specification

Product Code	Prefilled HA volume (mL)	Ropivacaine 0.75% (mL)*
Voferon-WI030	3	1.5
Voferon-WI060	6	3

* Not included with this product

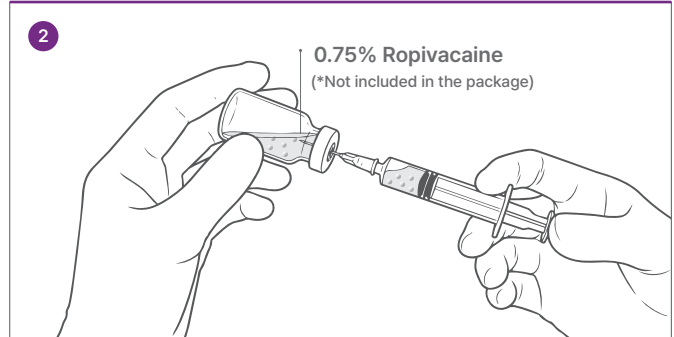
How to use

*Please scan the QR code to access and review the Instructions for Use (IFU).



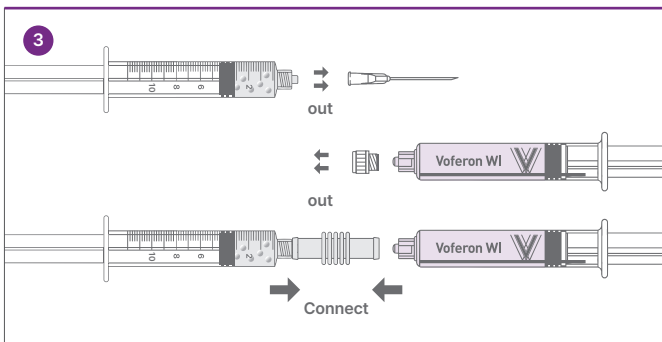
Preparing Components

Open the package and place the device components on a sterile field.



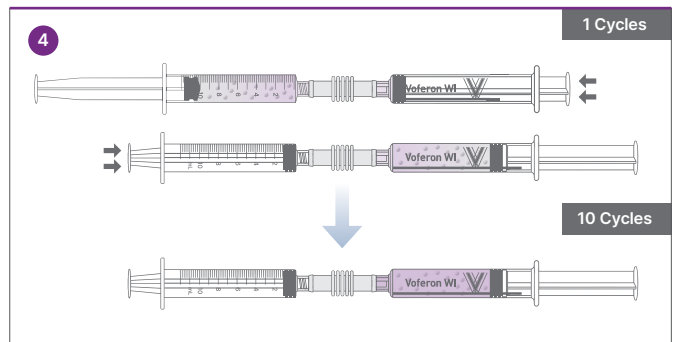
Loading Ropivacaine

Prepare 0.75% ropivacaine (ropivacaine HCl). Refer to the specification on page 4 and draw the appropriate amount into the empty syringe.



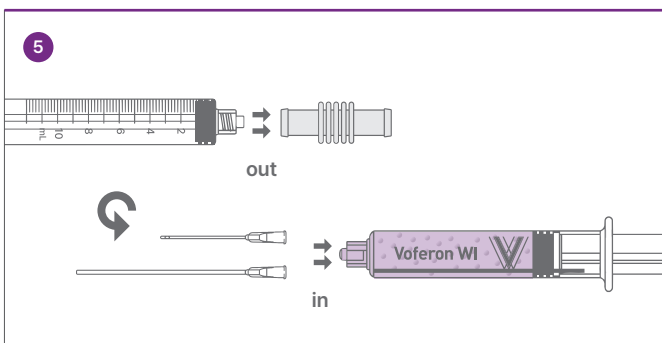
Connecting the Prefilled Syringe

Remove the needle from the ropivacaine syringe. Remove the cap from prefilled syringe and connect the two syringes using the syringe mixing tube.



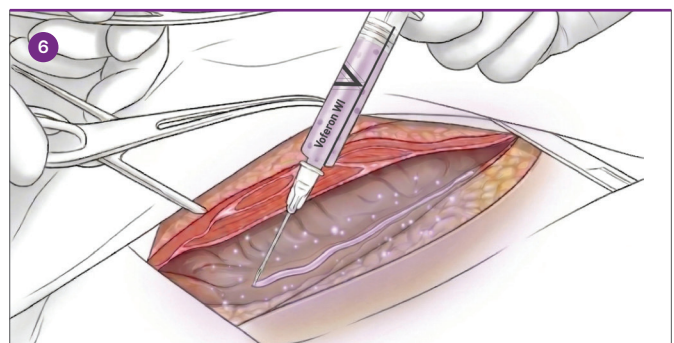
Mixing Hyaluronic Acid and Ropivacaine

Mix thoroughly by transferring the contents back and forth 10 times between the ropivacaine syringe and the prefilled syringe.



Preparing for Application

Fully depress the plunger of the ropivacaine syringe to transfer the mixture into the prefilled syringe. Detach the connector and attach the supplied cannula or side-hole needle for application. This product is not intended for intravenous injection.



Applying the Mixture

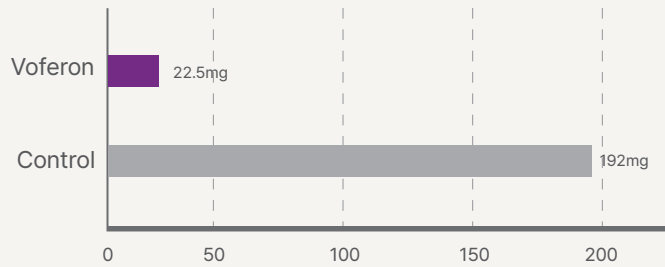
Apply the mixture evenly across the surgical site.

Clinical Performance

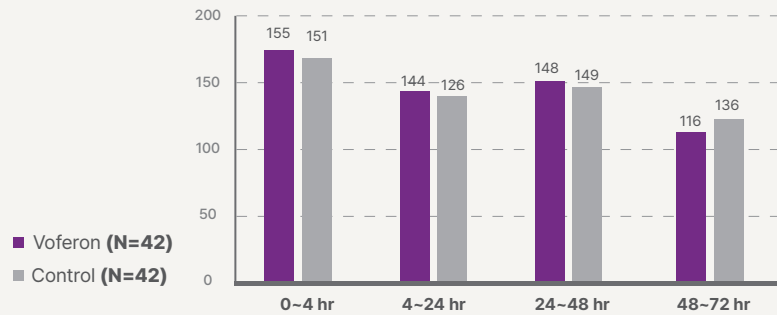
Comparable postoperative pain outcomes with reduced local anesthetic

Voferon WI demonstrated non-inferior postoperative analgesia through 72 hours after surgery, while pain-related outcomes were similar between groups and no clinically meaningful safety differences were observed versus continuous wound infiltration.

Ropivacaine Dosage



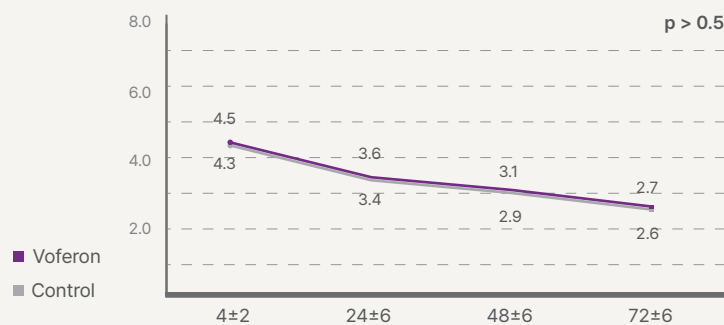
Fentanyl Consumption



Cumulative Fentanyl Consumption

Time Point	Trial Mean (mcg)	Trial SD	Control Mean (mcg)	Control SD	p-value
4±2 hr	155	59	151	61	p = 0.744
24±6 hr	300	183	277	175	p = 0.598
48±6 hr	447	340	426	309	p = 0.862
72±6 hr	564	424	562	389	p = 0.424

Pain Intensity Index (NRS)



■ Control: Continuous wound infiltration with local anesthetic infusion.

Key Benefits

Designed for precision and performance



Long-Lasting Relief

Crosslinked HA matrix sustains localized analgesia for up to **three days** post-surgery.



Biocompatible HA Matrix

Formulated with biocompatible hyaluronic acid – safe, stable, and physiologically familiar.



Single Administration

A single intraoperative injection ensures continuous effect without additional dosing.



Non-Opioid Solution

Delivers effective pain relief while reducing opioid use.





www.pfcares.co.kr



P&F Cares Co., Ltd.

9 Munjeong-ro 140beon-gil, Bundang-gu,
Seongnam-si, Gyeonggi-do, Republic of Korea

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