

BackStop®

Stone Antiretropulsion Device

Boston
Scientific



Making Cases
More Predictable



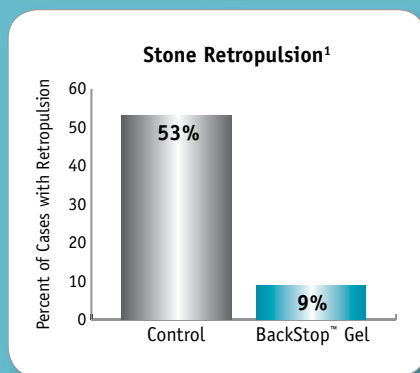
*Urology and
Women's Health*

BackStop®

Stone Antiretropulsion Device

The BackStop Gel, a next generation antiretropulsion device, is a water-soluble polymer that forms a plug in the ureter. It is reverse thermosensitive, meaning at room temperature it is a soft, injectable gel and at body temperature it increases in viscosity to form a plug.

The BackStop Gel is designed to prevent stone migration during ureteroscopy and PCNL procedures. If a stone does not migrate, then a distal stone stays distal, a proximal stone stays in the ureter, and renal stone fragments stay in the kidney*, making cases more predictable.



Backstop Gel reduced the occurrence of stone migration in ureteroscopy with ISWL cases.

Effective

Antiretropulsion Device

- Prevents stone migration during lithotripsy¹
- Completely occludes the ureter, preventing migration of stone fragments of all sizes
- Increases fragmentation efficiency in bench studies²
- May be used with laser, pneumatic and ultrasonic lithotripters

*Backstop Gel is not indicated for use in the kidney.



Unique

Antiretropulsion Device

- Gel rather than mechanical device
- Gel conforms to the ureter
- After the gel is placed, the catheter is removed, freeing the field



Backstop Injector

- Reusable injector designed to inject Backstop Gel



Backstop Components

- 3F or 5F catheters with radiopaque distal tips
- 5mL syringe of Backstop Gel

Easy to Place, Easy to Remove

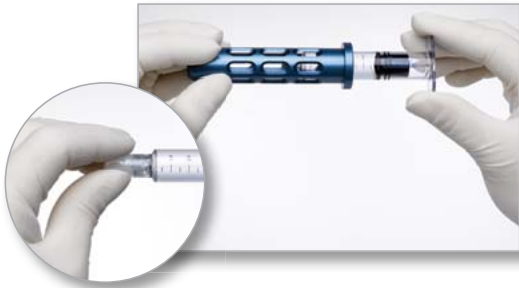
- Place with 3F catheter under direct visualization or with a 5F catheter under fluoroscopic guidance
- Flush with conventional irrigation

Procedure Steps

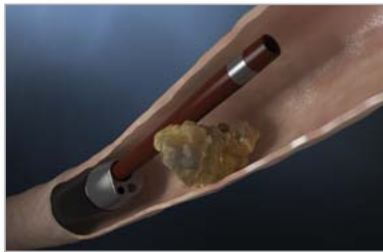
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1. Uncap the syringe and insert the syringe into the sleeve.



2. Advance the catheter tip in the ureter behind the stone.



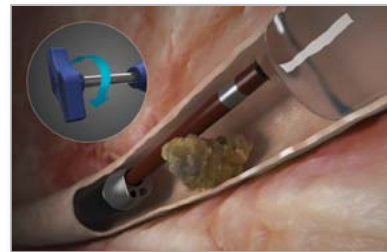
3. Attach the catheter to the syringe.



4. Place the sleeve into the injector.



5. Advance threaded rod until it contacts plunger tip. Turn Injector knob slowly to dispense BackStop® Gel. Form a 2-4 cm long plug in the ureter.



6. After lithotripsy is complete, irrigate with saline until BackStop Gel is completely dissolved. Irrigating with cold saline accelerates dissolution.



Making Cases

More Predictable

BackStop® Gel May Save OR Time

The national average cost of operating room (OR) time is \$15–25 per minute.⁴ According to a survey of 100 urologists, stone migration during ureteroscopy adds 20 minutes of time to a procedure, on average.⁵ Assuming 20 minutes of OR time are saved when using BackStop Gel to prevent stone migration, this adds up to a savings of \$300-500 of OR costs.

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Ordering Information

Order Number	Description	Quantity
Disposable Components		
M0063909000	BackStop Clear Gel x 3F Catheter	Each
M0063909010	BackStop Clear Gel x 5F Catheter	Each
Reusable Components		
M0063909040	BackStop Injector	Each
M0063909050	BackStop Replacement Sleeve	Each



Boston Scientific

Defining tomorrow, today.™

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Ordering Information
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References

- 1 Rane, A et al, The use of a novel reverse thermosensitive polymer (BackStop®) to prevent ureteric stone retropulsion during intracorporeal lithotripsy: a randomized, controlled trial, *J of Urol*, 183: 1417-1423, 2010.
- 2 Kyle, C et al, Use of a Phase-Transition Polymer to decrease Retropulsion and Increase Efficiency of Lithotripsy: An In Vitro Study, *World Congress of Endourology Poster*, 2007.
- 3 Rao, P et al, Initial Experience with BackStop® Preventing Retropulsion During Ureterscopy, *British Association of Urological Surgery Poster*, 2008.
- 4 Stahl, J et al, Reorganizing patient care and workflow in the operating room: a cost-effectiveness study, *Surgery*, 139:717-728, 2006.
- 5 Internally-Conducted Market Research

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Caution: Federal law (USA) restricts these devices to sale by or on the order of a physician. See the appropriate technical manuals for detailed information regarding instructions for use, indications, contraindications, warnings and precautions, and potential adverse events.