

# UROSHIELD®

BREAKTHROUGH ULTRASOUND TECHNOLOGY  
CATHETER CARE



- Prevents biofilm formation
- Decreases bacteriuria/UTI
- Reduces catheter related pain and discomfort
- Increases antibiotic efficacy

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## BREAKTHROUGH ULTRASOUND TECHNOLOGY CATHETER CARE

Indwelling urinary catheters are commonly used by clinicians to resolve urinary retention and incontinence issues related to immobility and secondary to comorbidities. Regardless of the material the catheter is made of or its coating, bacteria will adhere to its surface and within a short period of time will colonize to form a biofilm that will contaminate the catheter surface. This biofilm dramatically increases the risk of the patient acquiring a Catheter Associated Urinary Tract Infection (CAUTI).



UroShield is a unique, ultrasound based solution that actively prevents bacterial attachment to urinary catheters and dramatically reduces bacterial colonization and biofilm formation, thereby reducing risk for CAUTI. UroShield can be attached to any indwelling urinary catheter (ranging sizes 14-22 French) turning it into a therapeutic device that has the ability to reduce urinary tract infections and potentially alleviate spasms, pain and inconvenience caused by the use of an indwelling urinary catheter.

UroShield is composed of two components:

**Disposable Clip** - Intended for single use, following which, to be replaced with each catheter change or after 30 days.

**Driver** - A portable unit (AC or battery powered) that provides power to the Disposable Clip.

Ultrasonic waves generated by the Disposable Clip propagate throughout the catheter length, creating a vibrating acoustic shield on the inner and outer surfaces of the catheter. These vibrations interfere with the ability of bacteria to dock on the catheter surface, thus preventing bacterial biofilm formation and the development of infections. Preventing these recurring infections may eliminate or reduce the need for antibiotics and the accompanying risk of creating super strains of antibiotic resistant bacteria.



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Therapeutic Waves in Motion