



100% gel-free ultrasound procedures<sup>SM</sup>

**envision**<sup>TM</sup>



## Just Add Water

The Envision Ultrasound Scanning Pad by CIVCO is a viral barrier which enables **100% gel-free ultrasound procedures**. The Envision Pad is activated with a sterile liquid and requires no gel, which:

- reduces the risk of contamination
- simplifies workflow

## Reduce the Risk of Contamination

Based on multiple clinical studies, ultrasound gel has been shown to harbor and spread infection. Gel can:

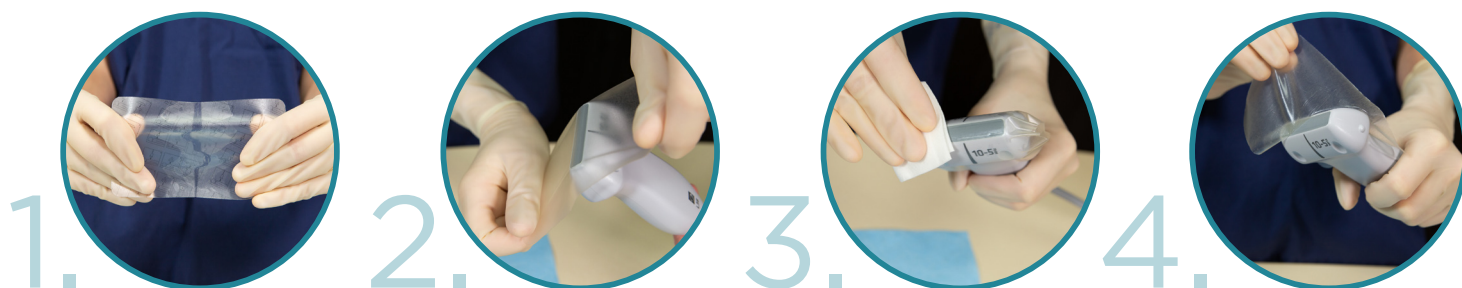
- contribute to increasing nosocomial infection, the spread of hospital acquired infections<sup>1,2,3,4</sup>
- cause bacteria to be introduced into the blood stream<sup>3,6</sup>
- make the disinfection or sterilization process of devices, including ultrasound probes, less effective<sup>5</sup>

Envision enables gel-free ultrasound procedures, reducing the risk of contamination that may occur while scanning non-intact skin.

*Evidence of device safety based on biocompatibility, sterilization and other non-clinical testing.*

## Simplify Workflow

The Envision Pad can be adhered to the patient or the probe and can be used to scan non-intact or sensitive areas. The Envision's design includes a silicone adhesive, which is useful when applied to patients with fragile skin due to low skin trauma on removal<sup>7</sup>.



### Adhering sterile pad to the patient:

1. Remove liner to expose silicone adhesive.
2. Apply adhesive side to probe.
3. Apply generous amount of sterile liquid to the top of the pad and begin scanning.
4. Simply peel off the pad once scanning is complete.



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## Bibliography

1. Oleszkowicz SC, Chittick P, Russo V, Keller P, Sims M, Band J. "Infections Associated with Use of Ultrasound Transmission Gel: Proposed Guidelines to Minimize Risk" Infection Control and Hospital Epidemiology Dec. 2012, vol. 33, no. 12
2. Esteban C, Nannini, Adriana Ponessa, Rosa Muratori, Patricia Marchiaro, Viviana Ballerini, Luis Flynn, Adriana S. Limansky "Polyclonal outbreak of bacteremia caused by Burkholderia cepacia complex and the presumptive role of ultrasound gel" The Brazilian Journal of Infectious Diseases 2015;19(5):543-545
3. Shaban RZ, Maloney S, Gerrard J, Collignon P, Macbeth D, Cruickshank M, Hume A, Jennison AV, Graham RMA, Bergh H, Wilson HL, Derrington P "Outbreak of health care-associated Burkholderia cenocepacia bacteremia and infection attributed to contaminated sterile gel used for central line insertion under ultrasound guidance and other procedures" AJIC 45 (2017) 954-8
4. Centers for Disease Control and Prevention "Pseudomonas aeruginosa respiratory tract infections associated with contaminated ultrasound gel used for transesophageal echocardiography - Michigan, December 2011-January 2012." MMWR Morb Mortal Wkly Rep. 2012 Apr 20;61:262-4.
5. William A. Rutala, Ph.D., M.P.H.1,2, David J. Weber, M.D., M.P.H.1,2, and the Healthcare Infection Control Practices Advisory Committee "CDC - Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008" www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines.pdf
6. Australian Government Department of Health Therapeutic Goods Administration "Safety Advisory - risk of bacterial contamination" 2017 <https://www.tga.gov.au/alert/meditech-ultrasound-gel>
7. Selecting the right medical adhesive tape Challenges facing the medical device designer Maggie G. Tebrake, PhD - Technical Specialist, Medical Specialties, 3M