

bk3000

Elevate your urological procedures

Advanced real-time guidance with the bk3000 ultrasound system from your trusted urology imaging partner.

Including AI-enabled urology software feature



GE HealthCare

When precision matters

Perform prostate procedures with high-resolution ultrasound guidance that you can count on for biopsies and therapies.

Advance your prostate biopsies with MRI-Ultrasound Fusion

- Integration between bkFusion software and the bk3000 enables a seamless experience from image import through biopsy.*
- bkFusion with MIM's Predictive Fusion® and ReSlicer® algorithm enables the urologist to see any alignment issues at the start of the procedure and adjust in real time.
- Flexible configuration options allow you to choose the right biopsy approach:

Transperineal freehand

Transrectal side-fire

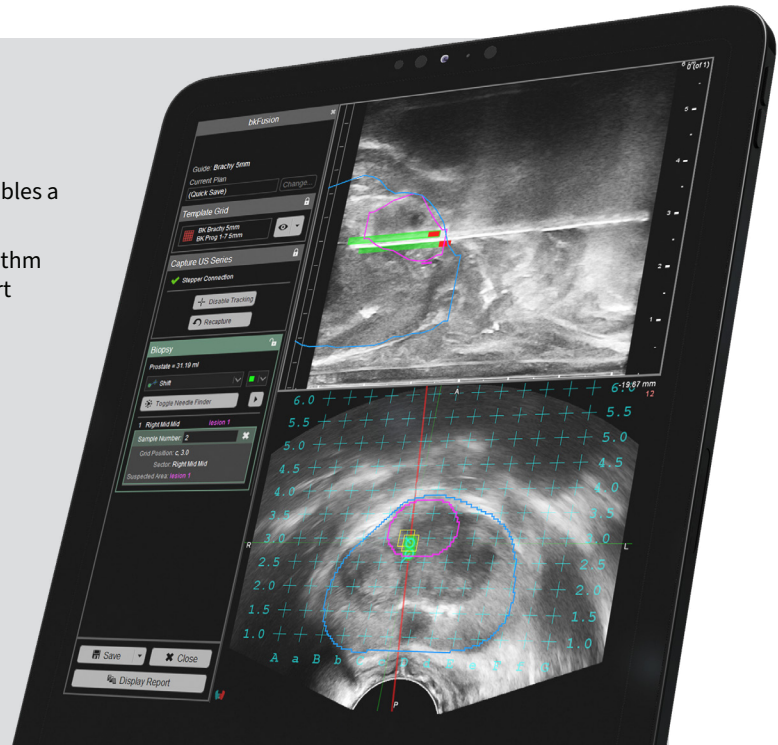
Transperineal stabilized

Transrectal end-fire

84%

positive detection rate for prostate cancer¹

bkFusion has been shown to accurately detect 84% of PI-RADS 3-5 lesions and up to 81% GG≥2 cancer.*¹

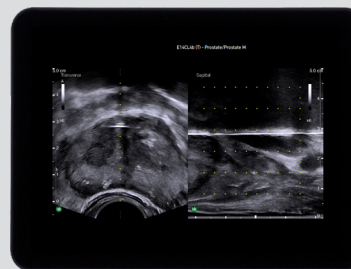


Transperineal prostate biopsy and therapy guidance

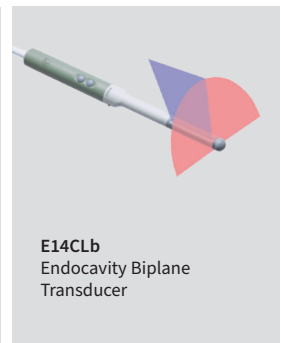
- With a large field of view, the E14CL4b (9048) endocavity biplane transducer provides detailed, high-resolution imaging to target lesions, especially in the anterior and peripheral areas of the prostate, during freehand and stabilized transperineal biopsies.
- Simultaneous imaging of transverse and sagittal planes enables precise visualization, providing better orientation for needle guidance and source placement for brachytherapy and ablative therapies.

Transrectal prostate biopsy

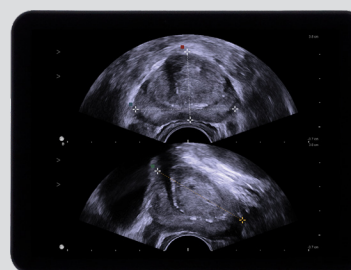
- Our proprietary high-frequency E14C4t (9018) prostate triplane transducer supports simultaneous biplane and end-fire imaging, providing detailed imaging with high spatial, temporal, and contrast resolution to help you quickly identify lesions and perform targeted biopsies.
- Easily switch between imaging planes with Smart Button™ technology. Access flexibility with both end-fire and side-fire needle guides.



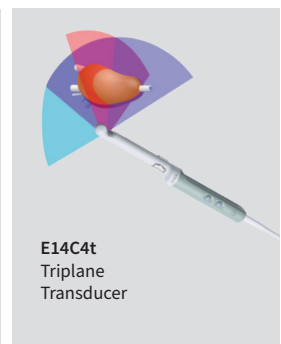
Transperineal biopsy of the anterior prostate guided by simultaneous biplane imaging.



E14CLb
Endocavity Biplane
Transducer



Prostate volume measurement guided by biplane imaging.



E14C4t
Triplane
Transducer

Imaging guidance for all your urology needs

bk3000 is our advanced urology system with high-resolution images enabled by high-performance transducers with auto-optimization algorithms for fast processing.

Abdomen procedures

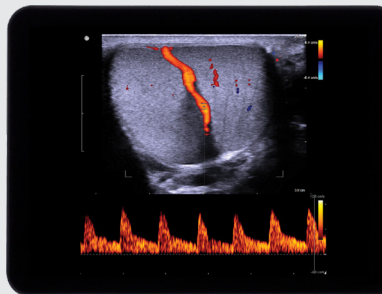


Curved array transducers provide optimal field-of-view for advanced imaging, measurement, and biopsy.

Transducers



Small parts procedures

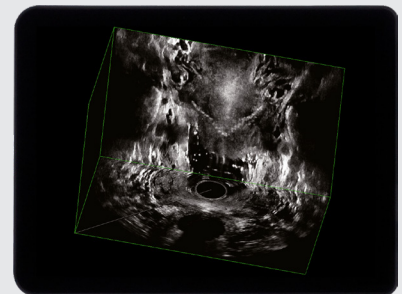


Sensitive color Doppler helps visualize vascular perfusion and blood flow in the penile arteries and testes, while spectral Doppler helps examine and quantify blood flow.

Transducers



Pelvic floor procedures



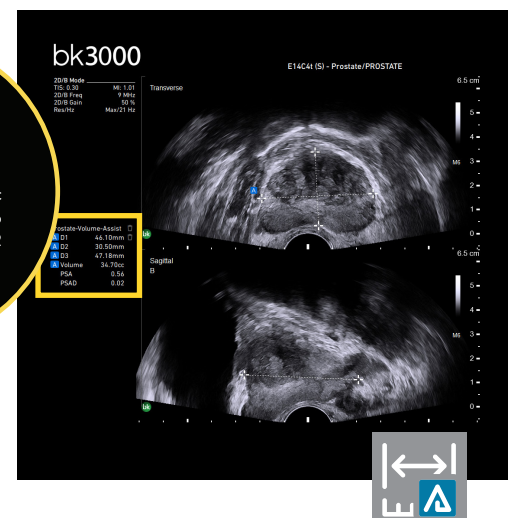
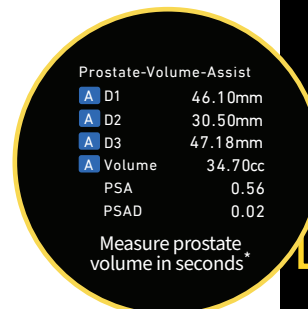
Multicompartment imaging using transperineal, endovaginal, and endoanal scanning enables you to get the information you need for the full pelvic floor picture.

Transducers



Get the most out of your ultrasound system

- Prostate Volume Assist (PVA) is an AI-enabled urology software feature designed to automate the manual process for generating prostate volume measurements, allowing for a faster and more efficient workflow. It calculates Prostate Specific Antigen Density (PSAD) by combining these measurements with PSA levels, aiding in biopsy decisions and treatment planning.**^{1,2,3}
- Advanced imaging modes, including elastography and contrast imaging, help identify regions of interest, while the integrated battery option ensures uninterrupted operation and mobility.¹
- Customizable settings allow for measurement and image adjustment presets tailored to urology.
- Urological calculation features include bladder, prostate, renal, post-void bladder, and generic volumes for easier reporting.
- Comprehensive outputs provide reports with images, measurements, and results.



Empowering urologists from the clinic to the OR

Fully sterilizable, dedicated urology transducers[†]

- Versatile reprocessing methods, including gas and liquid sterilization, with a sealing connector cap that allows immersion from tip to connector
- Ergonomically designed for a secure and comfortable grip
- Long transducer cables improve flexibility in the OR or clinic
- Customizable Smart Button™ technology for a variety of functionalities from activation and switching imaging planes to freezing, storing and printing images



Reliable needle guidance and biopsy

Simultaneous biplane single-use needle guide



End-fire single-use needle guide



Dual single-use needle guide



* bkFusion is powered by MIM Software. Confirm bkFusion availability with your local representative.

** The bkPortfolio of ultrasound systems (bkSpecto, bk3000, bk5000, bkActiv), E11C3b (9008), E14C4t (9018), and E14CL4b (9048) transducers, and PVA are manufactured by BK Medical ApS. PVA is available on the bkPortfolio of ultrasound systems. System software may require an upgrade to use PVA.

† Not all products or features are available in all markets. Please contact a GE Healthcare representative for more information. Visit www.gehealthcare.com.

‡ 5C1e (9085) Curved Array Transducer is not sterilizable

§ Immerzeel J., Israël B., Bomers J., et al. Multiparametric Magnetic Resonance Imaging for the Detection of Clinically Significant Prostate Cancer: What Urologists Need to Know. Part 4: Transperineal Magnetic Resonance–Ultrasound Fusion Guided Biopsy Using Local Anesthesia. *Journal of European Urology* 2021.

¶ Data on file.

‡ Seaman E, Whang M, Olsson CA, Katz A, Cooner WH, Benson MC. PSA density (PSAD). Role in patient evaluation and management. *Urol Clin North Am.* 1993;20(4):653-663.

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