SmartVac™

SmartVac™: A Key Mammotome® Technology

SmartVac™ is Mammotome®'s breakthrough computer-controlled vacuum system. It enables accurate, simple and minimally invasive collection of multiple, contiguous tissue samples. The biopsy procedure is simplified by SmartVac™'s automatic vacuum pulse. This keeps openings in the aperture and vacuum lines clear, virtually eliminating "dry taps."

SmartVac™

The SmartVac™ enables:

- **A single insertion for multiple sample acquisition.** It simplifies the biopsy procedure and is less traumatic for the breast tissue and the patient.
- **Larger tissue samples** that help physicians obtain an accurate diagnosis.
- **Aspiration of unwanted fluids** that helps physicians collect dry and adequate tissue.

How SmartVac™ Works

The SmartVac™ system uses two independent vacuum lines (lateral and axial). The lateral vacuum line pulls the breast tissue down into the aperture of the probe. Once held by the lateral vacuum, the tissue is severed by a hollow rotating cutter. The tissue is captured in the cutter in its full forward position. As the lateral vacuum stops, the axial vacuum starts in order to transport back the tissue specimen out of the breast together with the cutter. The same process is repeated as many times as needed to collect multiple specimen with the probe in place.

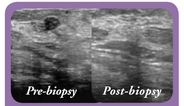
Strong Past. Promising Future.

Mammotome®

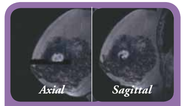
MDM11-0025GB

The Mammotome® Breast Biopsy System

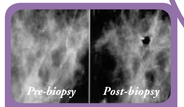
A multiple option system for a definitive answer



Under ultrasound guidance, lesions can be thoroughly biopsied.



And now under MRI guidance, lesions can be thoroughly biopsied.#



Under stereotactic guidance, lesions can be thoroughly biopsied.

94%* of the patients would choose to have a **similar procedure** in the future!

Over **4 Million** procedures and more to come!

More than 10 years of trust

References:

1 Percutaneous biopsy is **preferred over open surgical procedure** as the first biopsy procedure in most patients with image-detected abnormalities. "Image-Detected Breast Cancer: State-of-the-Art Diagnosis and Treatment" Melvin J. Silverstein, M.D. et al Journal of the American College of Surgeons Volume 193, No. 3, September 2001

2 * Date on file

3 #Not actual MRI-images – For concept only

DEVICOR MEDICAL PRODUCTS
Devicor Medical UK Ltd • 20-22 Bedford Row • London WC1R 4JS • United Kingdom
info.uk@mammotome.com • www.mammotome.com

Information for European countries outside of the UK by:
DEVICOR MEDICAL GERMANY GmbH • Nordport Towers • Südportal 3 • D-22848 Norderstedt, Germany
Tel.: +49 (0) 40 - 59 35 59 10 • Fax: +49 (0) 40 - 500 98 940 • info-europe@mammotome.com
www.mammotome.com

Mammotome®
www.mammotome.com

Strong Past. Promising Future.

Ask for your free Mammotome® trial

Mammotome®

The Mammotome® Breast Biopsy System

Targeting accuracy that instills confidence in the biopsy

The minimally invasive Mammotome® System has been helping physicians accurately diagnose breast cancer since 1995, offering physicians a wide range of options and diagnostic tools. It is the system for tissue sampling through a single, sutureless incision and a single insertion.

Mammotome®
www.mammotome.com

Targeting accuracy that instills confidence in the biopsy.

Mammotome®

Helps You Be Certain: Clinical Diagnostic Accuracy

The Mammotome® System provides tissue samples for clinical diagnostic accuracy for a wide variety of lesions:

- Palpable and non-palpable lesions
- Microcalcifications
- Spiculated masses
- Fibroadenomas
- Complex cysts
- Asymmetric densities
- Multifocal disease
- Removal of imaged evidence

A Reliable Alternative to Open Surgical Biopsy

Thorough tissue sampling helps physicians make an accurate diagnosis. The weight of specimens removed by the Mammotome® System is eight times greater than specimens collected by traditional spring-loaded biopsy systems.

A Multipurpose Probe

The Mammotome® probe makes extraction of tissue samples easy, and it also helps provide access to the biopsy site for better patient management. During the procedure, fluids can be delivered through the probe directly to the biopsy site.

Removal of Imaged Evidence

The Mammotome® System partially or completely removes imaged evidence of a lesion during biopsy.

Computer-Controlled Tissue Sampling

Larger tissue samples help physicians make an accurate diagnosis. The Mammotome® System has closed-loop control logic that uses a high-speed rotating cutter for maximum control. The system senses the denseness or fattiness of the breast tissue and maintains a constant rotation of the cutter to provide large tissue samples in and around the targeted area for a thorough biopsy.

Automatic Tissue Sampling with the Push of a Button

The Mammotome® System is designed with the user experience in mind. One-touch operation makes for fast, efficient and accurate work.

Unique design makes a big difference

Tip Sharpness & Geometry

Penetration force on tissue

Asymetric Needle

Needle rigidity & visibility

Precise placement with less tissue trauma

Controls

Consistency across tissue & lesions

Cutter Sharpness & Precision

Clinically valued tissue samples for pathology

Cutter Stroke & Lateral Vacuum

Consistency across specimen length

Specimen Integrity & Consistency

Specimen control & Access

Specimen control at all times

Ready Access to Biopsy Cavity

Fluid evacuation and delivery

Tactil & Visual controls of continuous specimen

Mammotome®
www.mammotome.com