

PREIMPLANTATION GENETIC TESTING



Spectrum® preimplantation genetic screening for aneuploidy (PGT-A) from **Natera, Inc.**, has demonstrated that it improves in vitro fertilization (IVF) results for all women, including those

of advanced maternal age, announces **Natera**.

In a retrospective study published in *Fertility and Sterility*, **Spectrum**, a single-nucleotide polymorphism (SNP)-based PGT-A technology, was successful in screening all 24 chromosomes to provide comprehensive embryo aneuploidy results. **Natera** says that the study results showed that use of **Spectrum** PGT-A during IVF led to excellent implantation (70%), clinical pregnancy (71%), and live birth (65%) rates during single embryo transfer.

Spectrum evaluates the number of chromosomes in embryos to detect extra or missing chromosomes and screens for inherited genetic disorders to help provide the best chance of transferring a healthy embryo with the correct number of chromosomes.

FOR MORE INFORMATION, VISIT:

<https://www.natera.com/spectrum>

PORTABLE BREAST ULTRASOUND



The **Viera™ Portable Breast Ultrasound System** from **Hologic** is now available for purchase in the United States.

Viera is a wireless, handheld breast ultrasound scanner that **Hologic** says produces exceptional image quality. The scanner uses a

14-4 MHz linear transducer, contains 192 elements, and has 4 parallel software beamformers. It utilizes spatial compounding to reduce image noise and speckle. Presets are available for breast, dense breast, and interventional procedures with B, M, power Doppler, color Doppler, and needle enhancement modes. On-demand high-resolution images are transmitted wirelessly to smart devices and patient archive systems (PACS) in the office, exam room, or surgical suite, or to the Cloud for efficient documentation. Smart device platforms include iOS and Android devices using WiFi and Bluetooth connectivity. The system includes a 1.2-lb scanner, 2 rechargeable batteries, and a charger with global AC adapter.

FOR MORE INFORMATION, VISIT:

<https://www.vieraportableultrasound.com>

HOME SPERM TEST



The **YO Home Sperm Test**, which allows a man to test his moving sperm in private, is the first test of its kind to receive FDA approval, announces **Medical Electronic Systems (MES)**. A soon-

to-be-published study shows **YO** to be highly accurate, says **MES**. Offering automated sperm analyzers to hospital labs, universities, and IVF centers, **MES** adapted its technology to a home setting after realizing that many men are hesitant to be tested in a clinical venue.

The customer downloads the smart-phone app and acquires the **YO Kit**. After collecting a semen sample, he uses a pipette from the kit to place semen on a slide, which is slipped into the Yo Clip. The clip slides onto the smartphone, which uses its camera to take a high-resolution video. Test results and the sperm video appear in about 2 minutes.

At \$59.95, the **YO Kit** includes 2 tests, in case a second sample is desired.

FOR MORE INFORMATION, VISIT:

<https://www.yospermtest.com>

IMPROVING THE MAMMOGRAPHY EXPERIENCE



Fear of pain during mammography is a major reason why women avoid screening, says **Hologic**, who designed the **SmartCurve™ Breast Stabilization System** to provide a better patient experience.

With a curved design that mirrors a woman's breast, the system has been clinically proven to deliver a more comfortable mammogram. **SmartCurve** has been shown to improve comfort in 93% of patients who reported moderate to severe discomfort with standard compression technology. The curved design reduces pinching while allowing uniform compression over the entire breast. Specialized processing software takes the geometry of the curved surface into account, so that resulting images have the same appearance as images taken with standard equipment.

SmartCurve is standard on **Hologic's** new **3Dimensions™** mammography system and as an enhancement option to existing **Hologic Selenia® Dimensions®** systems.

FOR MORE INFORMATION, VISIT:

<https://www.smartcurvesystem.com>