



# EDCO FORUM<sup>®</sup>

PRESENTING INNOVATIVE PRODUCTS & SERVICES TO HEALTHCARE PROFESSIONALS

VOLUME 11 NUMBER 25

MAY 2004

REPRINT

## VMAX<sup>®</sup> ENCORE DEBUTS AT THE 2004 ATS ANNUAL MEETING

**V**IASYS<sup>™</sup> Healthcare, Inc., (Yorba Linda, CA), is excited to introduce the next generation of the Vmax<sup>®</sup> product line, the Vmax<sup>®</sup> Encore, at the 2004 Annual Meeting of the American Thoracic Society.

Following in the tradition of excellence established by the Vmax and the Vmax Spectra systems, the Vmax Encore is a highly flexible system with all of the key test suites, features, and capabilities of modern testing systems in one fully integrated and compact system. The Vmax Encore offers improved pulmonary function testing capabilities, respiratory mechanics testing, cardiopulmonary exercise testing, and nutritional assessment, all powered by enhanced Vmax Encore software.

Robert Crapo, MD, Professor of Medicine at the University of Utah, said, "One of the very attractive features of the Vmax is that the software is very user-friendly. It makes the technician's life easier and the testing process moves more smoothly. The software is also quite intuitive; it is designed for a typical workflow in a laboratory, so it fits naturally into the way tests are performed in terms of sequence. The patients benefit because the interface between the patient and instrument is good and comfortable. Testing flows smoothly, so test time is shortened," Dr. Crapo added.

### Vmax Encore Raises the Standard of Excellence

An important new feature of the Vmax Encore is Impulse Oscillatory Spirometry

(IOS). According to Michael Madison, Vmax Product Manager, Viasys Respiratory Technology Division, "IOS is a less effort-dependent testing method that is a new and integral feature of the Vmax Encore. The IOS technology may expand the patient population that can be tested, such as pediatric patients and geriatric patients who have difficulty with other, more effort-dependent testing maneuvers.

With IOS, the Vmax Encore may detect more subtle changes as a result of bronchodilator administration than can be detected with traditional spirometric testing maneuvers. The end user can differentiate between restrictive and obstructive pulmonary diseases. In addition, IOS allows the end user to determine airway resistance without the procedures or space requirements of body plethysmography.

According to Christopher B. Cooper, MD, Professor of Medicine and Physiology at the David Geffen School of Medicine, UCLA, "The Vmax Encore uses IOS technology incorporated into a mobile unit to measure airway resistance. Its theoretical advantage is to distinguish between small and large airway resistance. It is easy for patients.

"At UCLA, we are gathering data from lung transplant patients who can develop small airway obstructions from *bronchiolitis obliterans*. We are picking up small airway obstruction at an early stage—our results are encouraging," Dr. Cooper added.

The Vmax Encore provides quality patient

diagnostic capabilities to a variety of health care facilities. The unit is compact and modular, making it ideal for both stationary and mobile use. "There is a totally new look for the product. Instead of two modules, they have been combined into one. The graphic user interface is updated, and we also have a new trolley/cart that offers several configurations for user flexibility," Madison explained. "The Vmax Encore has all the original Vmax capabilities plus new applications and integration, extended sensor accuracy and stability, along with a Total Life Care® (TLC) warranty," he added.




"We continue to bring the newest and best technology to our cus-

tomers. The Vmax combined cardiopulmonary stress testing with pulmonary function studies. We continue to improve that platform with Vmax Spectra, and now with Vmax Encore, we are taking that technology to next level," Madison stated.

### **Vmax Encore: Features and Benefits**

- IOS (impulse oscillatory spirometry)
- Improved flow calibration procedure
- Mass Flow Sensor body-temperature adjustment
- Enhanced logic tree auto-interpretation module
- Advanced lung mechanics
- Exterior ambient temperature unit (on some units)
- Graphic user interface enhancements
- Single system module
- Enhanced gas mixing chamber
- New system trolley
- VIASprint 150P/200P\* ergometers
- New calibration syringe

VIASYS Healthcare, Inc., develops, manufactures, markets, and services medical devices, instruments, and medical and surgical

products. The Company has four divisions: Respiratory Technologies, Critical Care, NeuroCare, and Medical and Surgical Products. Its Respiratory Technologies Group develops, manufactures, markets, and services products for the diagnosis and treatment of respiratory, pulmonary, and sleep-related disorders. The Vmax Encore is manufactured by VIASYS Healthcare Respiratory Technologies. 

\* Not Available in USA

**Vmax**  
ENCORE 

For more information concerning the Vmax product line, call 1-800-231-2466; contact a VIASYS™ Healthcare representative at ATS, booth #823; or visit the company's Web site at [www.viasyshealthcare.com](http://www.viasyshealthcare.com).