

BD Viper™ System with XTR™ Technology

Automating molecular diagnostics



Helping all people
live healthy lives

Firsthand experiences
from people in a position to know

Participants

DAVID BANKERT

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York, PA

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Van Nuys, CA

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PAUL LEPHART, PhD

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Detroit Medical Center University Laboratories
Detroit, MI

MICHAEL LOEFFELHOLZ, PhD

Director, Clinical Microbiology Laboratory
University of Texas Medical Branch
Galveston, TX

It's all about automation and freeing up labor



“The BD Viper System with XTR Technology is all about automation and freeing up labor. It has improved our productivity with less staffing. Today, we're running about 24,000 CT/GC tests a year with one-half FTE.”

MICHAEL LOEFFELHOLZ, PhD, UNIVERSITY OF TEXAS MEDICAL BRANCH, GALVESTON, TX

“We switched over to the Viper system because the Viper had automated extraction as well as automated amplification.”

JACK DANSKIN, UNIVERSAL DIAGNOSTIC LABORATORIES, VAN NUYS, CA

“We've gone from 66,000 specimens to 100,000 with no increase in staffing.”

PAUL LEPHART, PhD, DETROIT MEDICAL CENTER UNIVERSITY LABORATORIES, DETROIT, MI

One of the most reliable instruments I have seen



“I have to say that the Viper system is one of the most reliable instruments I have seen in 35 years. I don't think we've had a service call for a breakdown. The only time service shows up here is for the regular PMs.”

GARY GEMAR, INCYTE PATHOLOGY, SPOKANE VALLEY, WA

“I can't recall a time when results were delayed. When you are doing as many as 100,000 tests a year, with even one day of downtime you can get a backlog pretty quickly.”

PAUL LEPHART, PhD, DETROIT MEDICAL CENTER UNIVERSITY LABORATORIES, DETROIT, MI

“Very rarely does that machine go down. We take it for granted that the technologist assigned to the Viper will be free to do other things while the specimens are on the instrument.”

DAVID BANKERT, YORK HOSPITAL LABORATORY, YORK, PA

The techs love it



“Techs working on the Viper spend half of their time on the automated Viper and the other half doing manual culture-based assays. It’s a combination of the old and the new. And the techs love it.”

MICHAEL LOEFFELHOLZ, PhD, UNIVERSITY OF TEXAS MEDICAL BRANCH, GALVESTON, TX

“We have two people in addition to me that operate the Viper system. They enjoy it. It’s easy, clean and fast.”

JACK DANSKIN, UNIVERSAL DIAGNOSTIC LABORATORIES, VAN NUYS, CA

“In our lab, every tech is assigned to a specialty area—like mycobacteria, mycology, setting up HPLC for mycolic acid analysis. The Viper system frees them up to do these other things.”

DAVID BANKERT, YORK HOSPITAL LABORATORY, YORK, PA

“With the acquisition of our second Viper system, BD provided LEAN consultation and workflow analysis. We were able to design a more efficient process that made it very easy to get up and running smoothly.”

PAUL LEPHART, PhD, DETROIT MEDICAL CENTER UNIVERSITY LABORATORIES, DETROIT, MI

We are totally in control of turnaround time



“Since we brought testing in house, we are totally in control of turnaround time. Not only are we bringing in more revenue, we are also getting results out a day or two faster.”

GARY GEMAR, INCYTE PATHOLOGY, SPOKANE VALLEY, WA

“When we add HSV testing, it will have zero impact on staff and workflow. We’ll get more use out of the Viper system and improve CT/GC turnaround time because we’ll be able to combine HSV and CT/GC on end-of-day runs that would have been postponed to the next day.”

PAUL LEPHART, PhD, DETROIT MEDICAL CENTER UNIVERSITY LABORATORIES, DETROIT, MI

“Turnaround time is much better with the Viper.”

DAVID BANKERT, YORK HOSPITAL LABORATORY, YORK, PA

More sensitive than culture



“We evaluated the [BD ProbeTec Q^x HSV] test on the Viper system and found about 10% more herpes cases versus using culture. So it is more sensitive than culture, and the turnaround time is at least two times faster.”

DAVID BANKERT, YORK HOSPITAL LABORATORY, YORK, PA

“It was important that the CT/GC assays were FDA cleared for both SurePath™ and ThinPrep™ collections. With the Viper, it's easier to validate these tests because of the FDA clearance. We are looking at adding HSV testing because it is FDA cleared on the Viper.”

GARY GEMAR, INCYTE PATHOLOGY, SPOKANE VALLEY, WA

“We were shocked that there was such a significant difference in HSV sensitivity with the [BD ProbeTec Q^x HSV] test compared to the shell vial culture method we are now using. With the Viper system, we anticipate cutting our turnaround time [for HSV testing] in half.”

PAUL LEPHART, PhD, DETROIT MEDICAL CENTER UNIVERSITY LABORATORIES, DETROIT, MI

High-quality results

“I have no doubt that we're putting out high-quality results.”

DAVID BANKERT, YORK HOSPITAL LABORATORY, YORK, PA



“Since the BD Viper system went live in 2009, we've never had a contamination issue. I have no concerns about the quality of results. We actually validated GC positives for about two years then stopped because the correlations were so good.”

GARY GEMAR, INCYTE PATHOLOGY, SPOKANE VALLEY, WA

“We've not had any evidence of lab contamination since moving the testing to the Viper. This is a huge benefit of the automation. And that really contributes to peace of mind.”

MICHAEL LOEFFELHOLZ, PhD, UNIVERSITY OF TEXAS MEDICAL BRANCH, GALVESTON, TX

Lab Profiles



**The BD Viper™ System
with XTR™ Technology**
Helping labs like yours
do more every day

Detroit Medical Center University Laboratories (Detroit, MI) is a regional, integrated laboratory system serving the eight hospitals that comprise the Detroit Medical Center in Detroit, Michigan. The system includes core laboratories, six rapid response hospital laboratories and a full-service outreach infrastructure with patient service centers and remote ambulatory laboratories. Their microbiology department uses two BD Viper Systems with XTR Technology to perform 100,000 CT/GC tests a year and is in the process of adding the BD ProbeTec™ Herpes Simplex Virus (HSV1 & 2) Q^x Assays.

InCyte Pathology (Spokane Valley, WA) is owned and operated by pathologists dedicated to providing patients with comprehensive laboratory services. As a leader in the anatomic pathology field, InCyte Pathology combines expert interpretation with the latest technology to deliver the best results for clinicians and their patients. InCyte Pathology performs approximately 19,000 CT/GC tests a year on the BD Viper System with XTR Technology.

The University of Texas Medical Branch (Galveston, TX) is a leading academic medical center offering a wide range of primary and specialty care outpatient services at its on-campus and community-based clinics. The Division of Clinical Microbiology performs nearly 400,000 tests annually in bacteriology, immunology, mycobacteriology, mycology, parasitology and virology. Currently, they use one BD Viper System with XTR Technology to perform 24,000 CT/GC tests a year.

Universal Diagnostic Laboratories (Van Nuys, CA) is a leading regional laboratory serving physicians, public health clinics and community hospitals in Southern California. The laboratory provides state-of-the-art pathology and microbiology (bacteriology and molecular diagnostics) services and is known for its dependable quality and customer service. Universal Diagnostic performs nearly 12,000 CT/GC tests per year on the BD Viper System with XTR Technology and has recently begun running HSV testing on the system.

York Hospital Laboratory (York, PA) is located within York Hospital and provides a full range of outpatient laboratory services to meet the diagnostic needs of the community. The laboratory facilities are conveniently located for patients referred from physicians' offices, hospital services or other healthcare settings. The microbiology department uses the BD Viper with XTR Technology to perform approximately 26,000 CT/GC tests per year and is in the process of adding the BD ProbeTec Herpes Simplex Virus (HSV1 & 2) Q^x Assays.



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