



Bringing more to
clinical microbiology

Thermo
SCIENTIFIC



More speed.
More simplicity.
More support.

More confidence
for clinical testing.

Combining over 150 years of technical and scientific expertise in serving the microbiology community, Remel™, Oxoid™, VersaTREK™ and Sensititre™ products are part of the industry-leading Thermo Scientific™ product portfolio, renowned for quality, accuracy, reliability and innovation. With powerful manual and automated technologies, and a comprehensive line of media and diagnostic products, we strive to be your trusted partner for every step of the microbiology workflow. Our products help diagnose infections quickly and accurately to speed valuable information to clinicians, facilitating faster treatment decisions, and overall better patient care.

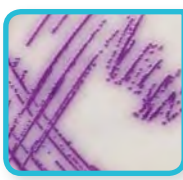
Thermo Scientific Clinical Solutions



Quality products for your complete workflow

Culture Media

“I need the highest levels of product quality and consistency”



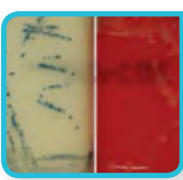
Maintain the highest quality standards with **Thermo Scientific prepared culture media**. Our rigorous quality standards have made us a trusted source of prepared media to laboratories around the world. So, you can rest assured knowing the media that reaches your lab will provide optimal recovery and differentiation of organisms, and maximum batch-to-batch consistency, for superior product performance.

“I need accurate, reproducible results”



As a leading manufacturer of **prepared culture media**, our media expertise and commitment to quality have made us a preferred supplier to our partners in microbiology. With a full range of formulations and formats, our media products combine ease-of-use with accurate, reproducible performance.

“I need a partner for prepared culture media, how can you help?”

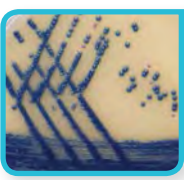


With state-of-the-art prepared media manufacturing facilities strategically located around the world and a sophisticated distribution network, our team can respond appropriately to the evolving needs of our global customer base.

Thermo Fisher Scientific experts also offer an unrivaled level of customer service and technical support through dedicated teams globally.

We understand the product you require may not be a standard formulation. Our custom service can provide the exact formulation and format you need. Please contact your local sales office for further details.

“How can I improve my identification of key organisms using culture media?”



Thermo Fisher Scientific has a range of **chromogenic culture media** specifically designed for clinical applications. Compared to traditional media, chromogenic culture media significantly enhance the identification of bacteria through color differentiation over traditional media. Chromogens in the culture media better differentiate target organisms, improving selectivity and specificity. In response to the need to screen for an increasing number of multi-drug resistant organisms in hospitals and clinics, Thermo Scientific has a product portfolio for the isolation of MRSA, VRE, Candida and urinary tract pathogens. Latest additions to the range include chromogenic media for CRE*, ESBL* and GBS*.

For chromogenic culture media, further developments in our unique inhibigen technology improve the selectivity of the target organism by reducing background growth, making identification even easier. In addition, you can inoculate chromogenic prepared media plates directly from a patient sample, and obtain results within 24 hours to further increase efficiency.

*Not for sale in the U.S.
Please contact your local sales office for product availability.



Blood Culture

“We’re missing bugs!”



As the only system capable of detecting *any* gas produced or consumed by organisms, the **Thermo Scientific VersaTREK Automated Microbial Detection System** is able to detect a wide range of both common and fastidious organisms, for superior organism recovery.

“Since the implementation of the VersaTREK System, we have recovered many more anaerobic organisms, *Campylobacter* spp. and unusual Gram-negative non-fermenters.”

“Budgets are tight—we need a system that provides better value without sacrificing results”



The **VersaTREK System** provides the ultimate in versatility, offering four FDA-cleared tests on one platform: blood culture, sterile body fluids, mycobacteria detection and *Mtb* susceptibility testing. Just two bottles cover all patient populations, reducing media cost and simplifying inventory control. Combined with its unique comprehensive detection technology and excellence in fastidious organism recovery, the VersaTREK System offers proven performance at a superior value. Need more capacity? The modular VersaTREK System allows you to simply add drawers for additional testing locations.



Alternatively, the **Oxoid™ Signal™ Blood Culture System** is a unique one-bottle manual media system accommodating all patient populations and scenarios. The system requires only the most basic laboratory equipment. Just one bottle is needed to detect most aerobes, anaerobes and microaerophilic organisms.

“Cost was also a factor, and VersaTREK offered our laboratory a cost-effective alternative to our previous system, while improving patient care.”



Identification

“I need faster bacterial identification results”



While traditional manual confirmatory ID panels provide results in 24 to 48 hours, **Thermo Scientific™ RapID™ Systems** utilize enzyme technology to reduce the time-to-result to just four hours. The simple, one-step inoculation decreases prep time, for maximum productivity.

“As a long-time user of the RapID product line, we have found the speed and accuracy of identification to perfectly complement our susceptibility testing panels on the Sensititre ARIS 2X automated microbiology system.”

HAIs

“I need a cost-effective way
to screen and test for HAIs”

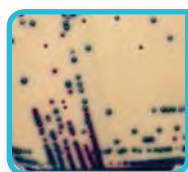
Improve patient management and quality of care with **Thermo Scientific HAI Solutions**, providing accurate results when timing is critical.

Once colonized with MRSA, 30 to 50% of patients become infected.^{1,2}



To aggressively address the MRSA epidemic, **Thermo Scientific Chromogenic MRSA Culture Media** products rapidly and economically detect nasal colonization of MRSA, and MRSA from positive blood cultures, enabling quick, efficient screening.

VRE spread can result in longer hospital stays (up to 6 days), increased costs (\$12,766 per case) and a two-fold increase in mortality.³



For active VRE surveillance and screening, choose **Thermo Scientific™ Spectra™ VRE*** and **Brilliance™ VRE** Culture Media**, offering 24-hour detection of gastrointestinal VRE colonization.

C. difficile infections can increase length of stay by one to two weeks, with an additional cost of \$3,669 to \$7,234 per patient hospitalization.^{4,5}



For rapid detection of *C. difficile* in just 20 minutes, the **Remel™ Xpect™ C. difficile Toxin A/B** kit provides excellent clinical sensitivity and specificity, with a simple, three-step procedure. For higher volumes, the **Remel™ ProSpect™ C. difficile Toxin A/B** microplate assay provides accurate results within 100 minutes.

*Available in the U.S. only

**Not available in the U.S.

“I need to reduce my VRE screening
costs without compromising my care”



A recent study determined that utilizing chromogenic media, such as **Thermo Scientific Spectra VRE***, to detect VRE colonization resulted in the highest rates of correct classification, and the lowest unnecessary isolation and infection costs, versus PCR or traditional culture.⁶ Spectra VRE chromogenic media rapidly and economically detects VRE colonization, and aids in preventing and controlling the spread of vancomycin resistance in healthcare settings.

“ We have used Spectra MRSA* chromogenic media for several years as a cost-effective way to reduce nosocomial transmissions, and have shown [from antibiogram data] a significant reduction in MRSA rates at The Medical Center... Physician feedback has been quite positive, and patients are placed on contact precautions sooner, thus reducing the opportunity for nosocomial transmission. ”



Antimicrobial Susceptibility Testing

“I need a system that can be tailored to my laboratory’s volumes, formulary and patient population”



Thermo Scientific AST Solutions include a full range of testing options, from manual disc diffusion, MIC gradient strips and microtitre plates, to fully automated instrumentation, for maximum flexibility, reliable performance, and quality results. Create your own test program based on your formulary, dilution ranges and patient population, for a truly customized test program. Let us help you identify the AST solution that fits the needs of your lab.

“We chose the Sensititre System because it provided us with the easiest set up options, best microbiology technology for accurate results, and the overall lowest cost per test.”



Thermo Scientific AST solutions include a number of flexible, easy-to-use manual testing options with proven performance you can trust. **Oxoid Discs** are manufactured under the stringent DIN standard, for maximum reproducibility and minimal variability. With over 200 antimicrobials to choose from and interchangeable formats, Oxoid Discs offer superior flexibility, with no minimum order requirements.



Or, combine the simplicity and ease-of-use of diffusion with the accuracy of an MIC test with **Oxoid M.I.C. Evaluators™***. Small pack sizes are versatile, enabling laboratories to purchase only the quantity they require, for better inventory control.

*Not available in the U.S.

“The single strip packaging option makes the handling and storage significantly easier.”

“How can we eliminate offline testing?”



With over 240 antimicrobials available in extended dilution ranges on a wide variety of standard formats, as well as custom plate options, the **Thermo Scientific™ Sensititre™ System** allows you to eliminate offline testing while meeting FDA, CLSI or EUCAST requirements.

Looking to enhance your manual methodologies? Combining automation with visual results, the **Sensititre Vizion™ Digital MIC Viewing System** consolidates all offline testing on a single platform, with the benefits of Expert System software and LIS connectivity.

“The most important factors for our laboratory were availability of necessary drugs and appropriate dilution ranges. Sensititre MIC plates are able to detect emerging resistance.”

“My lab is short-staffed and our workload can be difficult to manage—we need ways to do more with less!”



Reduce workload and facilitate efficient workflow by consolidating all susceptibility testing on a single platform with the fully automated **Sensititre ARIS™ 2X** benchtop reading and incubation system. The ARIS 2X System can accommodate 64 MIC, breakpoint or identification plates, for a combination of 192 tests on a single instrument.

Quickly and accurately dose plates using the **Sensititre AIM™ Automated Inoculation Delivery System**, eliminating skipped wells and costly repeat tests.

Or, boost productivity with Sensititre semiautomated solutions, including the **Sensititre OptiRead™ Automated Fluorometric Plate Reading System**, providing fast, accurate plate reads, or the **Vizion Digital MIC Viewing System**, which displays easy-to-read digital images to enhance manual plate reading.

Your trusted partner for every step of the microbiology workflow

From bacteria to viruses, stool to swab, turn to Thermo Fisher Scientific for the most comprehensive line of collection and transport systems in the industry. Choose from **Remel MicroTest™**, **A.C.T.™ Transport System**, **ESwab™***, **BactiSwab™** and **Fecal Transport Systems**, and you can rest assured knowing that you're getting optimal collection for optimal results.

With the unique direct-streak-to-plate method for recovery of Quality Control strains, **Thermo Scientific™ Culti-Loops™** streamline workflow and help to conserve laboratory resources. The proprietary gel preservation allows for faster recovery and enhanced viability of over 600 strains available in the range. The unique Culti-Loop format minimizes organism handling, can improve efficiency and reduce the risk of contamination and infection.

*Available through Thermo Fisher Scientific in the U.S. only





Unmatched service & support

When you choose Thermo Scientific products for your microbiology needs, consider it the start of a life-long partnership. Whether you need assistance with protocols, product transitions or product troubleshooting, our team of experts is ready to help you anytime, anywhere.

With best-in-class, multi-language technical support, there's no better partner for your clinical demands than Thermo Fisher Scientific.

- 1 Jarvis, W.R., et. al. American Journal of Infection Control; 2007; 35(10):631-37.
- 2 U.S. Outcomes Research Group of Pfizer Inc. Presented at the International Society for Pharmacoeconomics Outcome Research Meeting; 2005.
- 3 Carmeli, Y., et. al. Archives of Internal Medicine; Volume 162; October 28, 2002.
- 4 Dubberke, E.R., and Wertheimer A.I. Infection Control and Hospital Epidemiology; 2009; 30:57-66.
- 5 Vonberg, R.P., et. al. Journal of Hospital Infection; 2008; 70:15-20.
- 6 Hollenbeak, PhD(1), N. A. Ledebauer, PhD(2); 1. Penn State College of Medicine, Hershey, PA,
2. Medical College of Wisconsin, Milwaukee, WI.

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Contact Information:

International
+44 (0) 1256 841144
oxid.info@thermofisher.com

USA
+1 800 225 6730
csemail@thermofisher.com

Thermo
S C I E N T I F I C

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