

# GOT ANY OF THESE?



Issues with  
sewage overflow?



Untested  
water sources?



Public  
beaches?



Remote sites  
in need of water  
testing?



Customers  
concerned about  
water quality?



Waste  
water issues?

The **TECTA™ B16** water testing  
technology can help

*E. coli*  
Detected!

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## The TECTA™ B16 instrument can be used for a variety of **drinking water applications**, including:

### RAW WATER (SOURCE WATER)

Regular monitoring of raw water using TECTA™ B16 provides important intelligence early in the treatment process, avoiding water quality surprises down the road.

### PRE/POST TREATMENT STEPS

TECTA™ B16 reduces the time it takes to get test results from days to hours, while making it easier to detect treatment failures much earlier, leading to improved system efficiency and preventing water quality disasters.

### FINISHED WATER (POST CLEAR WELL)

TECTA™ B16 can rapidly confirm water quality before it leaves the treatment facility and enters the distribution

network helping quickly to identify whether the source of the problem is in the treatment plant or distribution system.

### CUSTOMER HAND-OFF

Quick confirmation of the water quality at the hand-off point to your customers can now be achieved with TECTA™ B16.

### BROKEN / UNPLANNED FAILURE OF PIPES

TECTA™ B16 provides the fastest feedback possible on compromised water quality saving time and money by providing the “all-clear” much sooner, allowing construction crews to get back to work and water services to get back on-line.

### PIPE MAINTENANCE / PIPE REPLACEMENT

TECTA™ B16 makes it easier to manage pipe maintenance programs, saving time and money, while bringing services back on-line quickly.

### RESPONSE TO CUSTOMER COMPLAINTS

TECTA™ B16 will provide the most rapid responses to customer concerns, either providing reassurance about water quality, or an early warning that will save time and money down the road and reducing adverse impacts to public health.

### REMOTE / CHALLENGING DISTRIBUTION SYSTEM LOCATIONS

TECTA™ B16 portability provides rapid results on water quality at remote and challenging locations, improving response time when corrective action is required.

### DISTRIBUTION SYSTEM

With respect to adverse compliance test results, TECTA™ B16 can reduce the time between sampling and receiving the first adverse results. Furthermore, using TECTA™, the results of the second, confirmation test can be received and corrective action started in less time than other methods require to get that very first adverse result.



*E. coli*  
Detected!



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## Use the TECTA™ B16 instrument for wastewater and reuse water applications, including:

### RAW INFLUENT

Regularly monitoring raw water using TECTA™ B16 provides important intelligence early in the wastewater treatment process, and helps avoid output effluent surprises down the road.

### PRE/POST INDIVIDUAL TREATMENT STEPS

TECTA™ B16 reduces the time it takes to get test results from days to hours, making it much easier to detect treatment failures much earlier, lead to improved system efficiency and helps to avoid environment damage associated with releasing output effluent not meeting standards.

### FINAL EFFLUENT

Securing test results in hours instead of days with TECTA™ B16 can provide confirmation that a treatment system is working properly and that final effluent counts are within acceptable standards.

### SLUDGE (BIOSOLIDS)

TECTA™ B16 can simplify sludge tests by making it possible to do rapid testing on-site rather than in a lab, massively reducing the effort required for monitoring bacterial levels in sludge samples.

## The TECTA™ B16 instrument is also effective for environmental monitoring uses, including:

### RECREATIONAL WATER (BEACHES, SWIMMING)

TECTA™ B16 can provide test results within hours, allowing for prompt beach closure when necessary and assuring the public and community leaders that water is safe when beaches are opened faster.

### PLANNED / UNPLANNED SEWAGE OVERFLOW RELEASES

TECTA™ B16 allows the treatment operator to continuously monitor the bacteriological levels at several sites to determine when they are back to normal, providing important water quality data to both environmental and public health officials.

### WATERSHED / RUN-OFF MONITORING

TECTA™ B16 provides microbiological results in a fraction of the time, providing near real time data to support the overall watershed management program. It also becomes an important investigative tool when trying to determine the source of damage to the watershed ecosystem.

### WASTEWATER PONDS

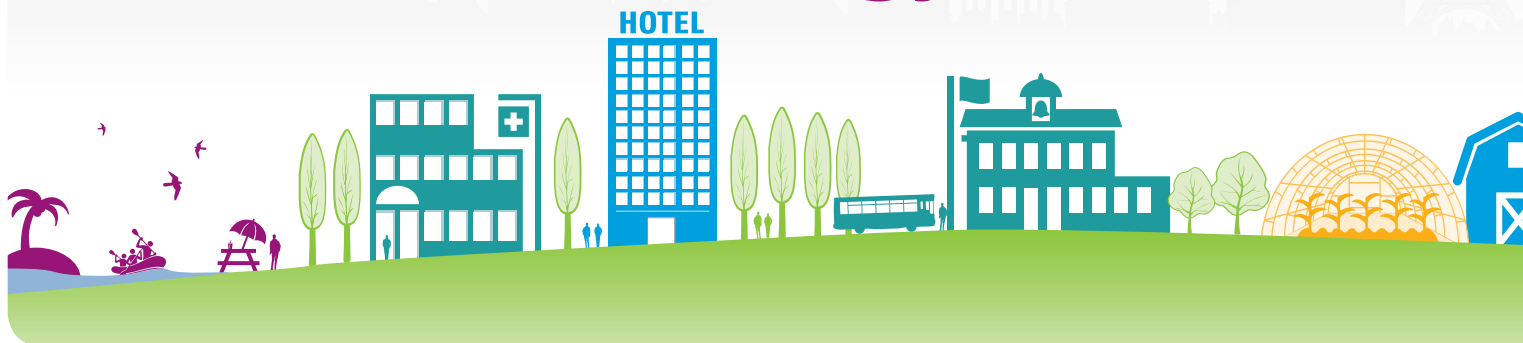
TECTA™ B16, providing results in hours instead of days, can be utilized to monitor not only the final effluent, but also the changes in bacteriological loads as the effluent travels through the pond system ensuring final effluent counts meet environmental standards, or provides an early warning if the pond system is overwhelmed and the final effluent counts will be too high.

### RESERVOIR REHABILITATION

TECTA™ B16 provides near real-time data to support the overall monitoring of the rehabilitation. This feedback can inform the various rehabilitation process steps, saving both time and money overall.

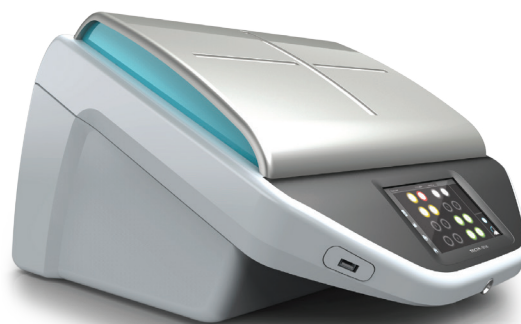


# Welcome to the Safe World of TECTA™ Technology



The TECTA™ B16 is the only automated system approved by the U.S. Environmental Protection Agency (EPA) for testing drinking water.

- Easy to use with quick, reliable results
- Fastest *E. coli* and Total Coliform test available
- Single-use, on-site tests using water samples anywhere, at any time of day
- Simple operation that does not require specialized personnel
- No sample preparation or visual interpretation of results required
- Provides continuous monitoring and automated interpretation
- Saves money by reducing operational costs and eliminating the need to ship samples
- Communicates results wirelessly to computers, tablets and smartphones



**When it comes to testing for water safety, nothing beats TECTA™.**

The TECTA™ B16 is a fully automated microbiology system providing *E. coli* and Total Coliform results in 2 – 18 hours. It is unparalleled for testing drinking water, managing wastewater and conducting environmental monitoring.

Easy to operate, the TECTA™ B16 delivers quick, reliable and accurate, laboratory-grade results anywhere, anytime.

TECTA™ technology saves lives by providing immediate notification and early warning of positive sample results by e-mail, as soon as they occur.

**Find out why the TECTA™ B16 is now being used in more than 30 countries worldwide.**

#### In Australia:

For customer service, call 1300-735-292  
To fax an order, use 1800-067-639  
To email an order, [ordersau@thermofisher.com](mailto:ordersau@thermofisher.com)

Find out more at:  
[thermofisher.com.au](http://thermofisher.com.au)

#### In New Zealand:

For customer service, call 0800-933-966  
To fax an order, use 0800-329-246  
To email an order, [ordersnz@thermofisher.com](mailto:ordersnz@thermofisher.com)

Find out more at:  
[thermofisher.co.nz](http://thermofisher.co.nz)

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