

Advance to More Accurate, Reliable Organics Measurement

A New Era of TOC Analysis

Since 1995, BioTector® products have proven to be the most advanced in their class, achieving trusted results from the simplest to the most demanding applications.

With reliable, continuous environmental monitoring and real-time process control, the latest generation of BioTector analyzers allow plants to optimize processes by decreasing chemical dosing, minimizing waste, reducing manual sample processes and costs, and lowering overall plant operating costs. The BioTector analyzer has evolved to meeting total organic carbon (TOC) measurement regulation and certification standards.

Now is the time to upgrade from a legacy analyzer to the latest BioTector and begin a new chapter in your facility's TOC analysis.

Why BioTector?

The Hach® BioTector series offers various improvements over legacy analyzers:

- **Intelligent design**—oversized sample tubing better handles even the most challenging applications, including limited amounts of fats, oil, and grease (FOG)
- **Advanced functionality**—direct reporting of % removal (B3500dw), and reporting of TOC correlated parameters such as BOD and COD
- **Powerful sample breakdown**—patented two-stage self cleaning oxidation technology (TSAO) is 40% more effective at oxidizing samples than analyzers using legacy technologies
- **Low cost of ownership**—designed for continuous operation, the BioTector requires part replacement only twice a year in many applications
- **Superior reliability**—typically 99.86% uptime enables plants to leverage results for continuous process control
- **Worldwide service and support** through Hach with installations at leading manufacturers around the world



The Right Instrument for Your Facility

Regardless of your environment and application, there is a BioTector analyzer for you:

Category of Water	Organic Concentrations	Analyzer	Sample Descriptions	Applications Include
Clean with Low TOC	LOW 0-5 ppm	B3500ul	Clean samples: free from fats, oils, greases Particulates <100 microns Stable pH	Wastewater from reverse osmosis Recycling Critical chemical applications Ultrapure water Turbine/power cooling water
Dirty with Low TOC	LOW 0-25 ppm 0-100 ppm	B3500c B3500dw	Samples can contain limited amounts of: fats, oils, greases, and soft particulates	Cooling water Storm/river/sea water Reverse osmosis/condensate water Drinking water Boiler water
Dirty or Clean with High TOC	HIGH 0-250 ppm 0-1,000 ppm	B3500e	Samples can contain limited amounts of: surfactants, fats, oils, greases, sludge, and soft particulates	Carbon bed absorber process Discharge control Ground/raw/storm/river water Wastewater effluent Cooling water
Dirty	0-10,000 ppm	B7000i	Samples with chloride salts up to 30% and soft particulates up to 2mm with suspended fats, oils and greases	Wastewater, industrial process control, discharge and effluent treatment

Service—Helping You Be Right

When one company manufactures and services the same instrumentation, your facility gains confidence by reducing risk and setting yourself up for success. With various service packages to choose from, Hach Service offers the peace of mind that comes with reduced equipment downtime; ensured accuracy due to regular maintenance, and priority response for faster instrument repair.

- Regular factory-recommended preventative maintenance visits
- Verification of instrument performance and operational reliability improvements
- Inspection protocol for quality management
- Certificates according to ISO standards
- Hotline support for all technical questions
- Troubleshooting and repair
- Priority response time services
- Parts inclusion (wear and/or spares) packages



Adding Hach Service to your BioTector instrumentation helps your facility meet compliance requirements regardless of your resources.

Training

Take advantage of the Hach library of online courses. Available 24/7, course offerings include:

- Introduction to Total Organic Carbon
- Measuring Total Organic Carbon
- BioTector 3500 / BioTector B7000i

Increase your knowledge of TOC and learn how to operate Hach analyzers. Find answers on calibration, troubleshooting, and installation. Course formats are optimized for both mobile and desktop. Learn more at www.hach.com/dl.

HACH World Headquarters: Loveland, Colorado USA

United States: 800-227-4224 tel 970-669-2932 fax orders@hach.com
Outside United States: 970-669-3050 tel 970-461-3939 fax int@hach.com

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