

Productivity and Total Organic Carbon Analysis

Why productivity is important?

Pharmaceutical and other manufacturing facilities that generate pure water as well as water treatment facilities around the globe have been tasked with a strong edict: improve productivity without sacrificing quality. At the same time, many companies are feeling pressure to trim budgets and consolidate resources, forcing decision makers to do more with less.

These manufacturers or utilities are faced with difficult decisions and are turning to new technologies to improve productivity when measuring water quality in the analytical laboratory. Up until recently, existing TOC instrumentation has not been able to keep up with the needs of a high-volume analytical laboratory which might include the need to run dozens of pure water or cleaning validation samples within a short time frame.

Making labs more productive

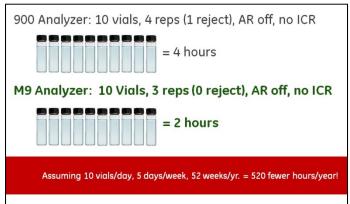
Sievers Total Organic Carbon (TOC) Analyzers have always been reliable, accurate, quick to set up and easy to use and maintain. From the classic 800 Analyzer, the industry standard 900 Analyzer, and now the newest M9 TOC Analyzers – analysis speed and analytical capability continues to improve, leading to increased throughput for analytical laboratories around the world.

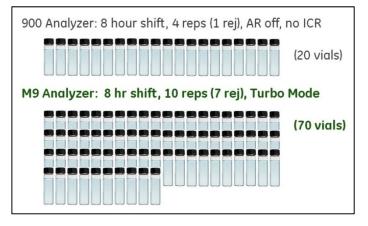
Increased throughput means that a sample run of 10 vials that used to require 4 hours, now can be completed in 2 hours. This represents a time savings of 520 hours a year if run 5 days per week annually. Alternatively, double the samples can be run in a single 8 hour shift. Using the new Turbo mode, the same 10 vials can be run in 1.2 hours for over 70 samples analyzed in a single 8 hour shift.

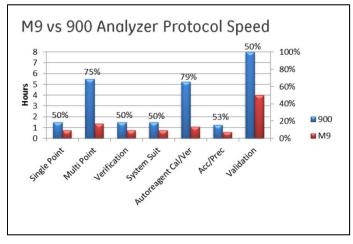
Calibration, check standards, system suitability, and pharmaceutical instrument validation can also be completed in 50 to 75% less time compared to previous generation TOC instruments.

Designed for productivity

Sievers M9 Analyzers are designed to improve productivity by increasing speed and streamlining the user experience. Based on the feedback from analysts, the M9 Analyzer now includes:









- 50% faster measurement in normal, high-sensitivity analysis mode
- 70% faster measurements in new high-speed Turbo mode
- Improved automation and feature-rich user interface
- Improved reliability and easier troubleshooting with improved hardware and diagnostics
- New database architecture to improve data security and enhance the review of data
- New automated pharmaceutical Stage 1 off-line conductivity measurements

Summary

Analytical instrumentation that is simple to use, easy to maintain, and faster than legacy technologies has the potential to greatly improve the throughput of any analytical laboratory involved in the analysis of TOC in water. These improvements also come with minimum to no decrease in analytical performance. For more information about how to use TOC to increase productivity in your lab, go to www.geinstruments.com/M9.

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