



NO INTERFERENCE
BETWEEN YOU
AND BETTER THROUGHPUT

Exceptional speed and operational simplicity make your lab more efficient than ever before

For high-productivity labs like yours, fast turnaround is Priority One. And with the increased concern for the safety of our food, water, and pharmaceuticals, and with the presence of nanoparticles in the products we use on a regular basis, you'll need to meet both productivity and efficiency goals, while adhering to stringent regulatory requirements – all at the lowest possible cost per sample. So don't you want an ICP-MS system that's as focused on high throughput as *you* are?

Introducing the NexION® 1000 ICP-MS, the ideal high-throughput system for running everyday multielemental, trace-level analyses that meet regulatory standards – and that works within your budget.

The NexION 1000 ICP-MS delivers our advanced Universal Cell Technology™, enabling single-gas switching between Collision and Reaction modes for efficient interference removal. Its Extended Dynamic Range measures major and trace elements in the same sample *in one run*. And the Triple Cone Interface and Quadrupole Ion Deflector make operation – and maintenance, and cleanup – a snap, while Syngistix™ software's preset methods get everyone up to speed fast.

The NexION 1000: It's the ICP-MS that takes throughput to the limit.



NexION® 1000 ICP Mass Spectrometer

ICP-MS THAT'S ALL ABOUT PRODUCTIVITY



■ Small Footprint

Compact design (81 cm wide by 69 cm deep by 75 cm high) saves valuable bench space.

■ Free-Running RF Plasma Generator

Handles all your tough matrices and requires no consumables, while LumiCoil™ technology needs no cooling or maintenance.

■ Triple Cone Interface

Eliminates most cleaning and maintenance with a tightly focused ion beam that gets rid of sample deposition on external components.

■ Quadrupole Ion Deflector

Completely removes un-ionized material, giving you zero-maintenance, no-replacement-cell technology that maximizes uptime and productivity.

■ Universal Cell Technology

Allows you to select your ideal method of interference removal and detection limits; combines Collision and Reaction modes using a single gas for exceptional throughput and data reliability.

■ Simultaneous Dual Mode Detector

Provides the fastest data acquisition rates in the industry (10 times faster than leading competitive systems, or 100,000 data points per second) for superior analysis times and single-particle/cell ICP-MS capability.

■ Full-Color Plasma View

Enables firsthand visual inspection of components (including sampler cone, torch, and load coil), optimizes plasma sampling depths, and simplifies organics analysis.

Software That Brings Out the Best in Your Analyses

Powerful, intuitive Syngistix software is the cross-platform solution that mirrors your workflow. Everything is designed to make it easy for your scientists to get up to speed quickly, with left-to-right, icon-based navigation guiding you through your routine. Plus, it delivers:

- Fast, easy startup and optimization, plus maintenance alerts and real-time monitoring
- Simple method development, and preset methods for many applications
- Quick, accurate analysis with quality-control monitoring for data reliability, even during unattended runs
- Results you can trust, with single-and multiview calibrations; check parameters and compare performance on the fly

To learn more about our new high-throughput, high-efficiency NexION 1000 ICP-MS, visit us at perkinelmer.com/NexION1000

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

Copyright ©2017, PerkinElmer, Inc. All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.

013749_03

PKI