

GREAT RESULTS BEGIN WITH GOOD PREPARATION

The Titan MPS™ is an easy-to-use, safe, and cost-effective microwave sample preparation system for pressure digestion of a broad range of samples for subsequent inorganic analysis.

Designed for rugged, routine laboratory use, the system incorporates a stainless steel outer case, which encloses a cylindrical corrosion-resistant PFA-coated oven cavity that ensures homogeneous microwave distribution.

The Titan MPS provides the quick return on investment that labs are looking for in these times of constrained budgets. And it's backed by PerkinElmer, the one-stop, go-to resource for all things atomic spectroscopy. With a team of support individuals who have a great understanding of the science behind the goals your lab is trying to achieve.

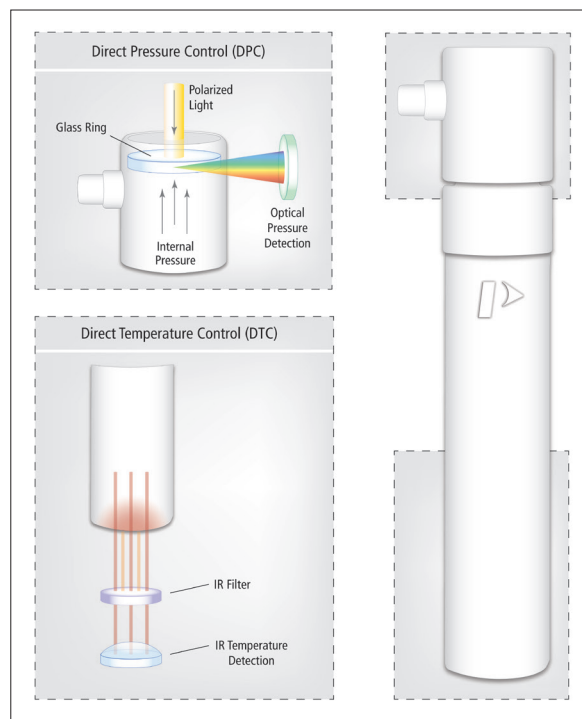
The Titan MPS microwave sample preparation system. Yes, it's a microwave. But we think it's a whole lot more.



Titan MPS Microwave
Sample Preparation System

Titan MPS product features include:

- **Direct Temperature Control™ (DTC):** Sophisticated non-contact IR sensor provides superb reaction control by measuring the real-time temperature of each individual sample material (not the vessel surface temperature) while also eliminating the contamination issues and inconvenience of contact sensing devices.
- **Direct Pressure Control™ (DPC):** This unique contact-free system utilizes a combination of polarized light and glass pressure ring with a remote optical sensor built into the vessel cap to measure and control pressure changes in a reference vessel.
- **Rugged, Interchangeable Turntables:** Allow for easy switching between the 8-position high-pressure vessel system and the 16-position standard-pressure vessel system.
- **Integrated Color Touchscreen Controller:** Driven by a PowerPC™ CPU, it delivers user-friendly tools for reaction control, data analysis, and storage of digestion data and user methods.
- **Pre-installed Sample Methods:** Cover a wide range of digestion conditions, with space for many additional user-created methods.
- **Software:** Monitor and control multiple Titan MPS systems over a network via the standard Ethernet connection for convenient viewing of reactions and conditions, data analysis, and system control. English, German, French, Spanish, Italian languages are supported on the color touch-screen.
- **Safety:** The rugged construction of the lid and its interlocked sensor system ensures operator safety and security. A gas containment manifold utilizing a unique easy-to-connect vessel attachment safely contains any gas which may escape during an unplanned vessel over pressure situation.



| Select Method | | PerkinElmer | |
|----------------------|------------------|-------------|------|
| Selected Favorite: 1 | | Replace | Edit |
| 1: Lipstick | 6: Soil | | |
| 2: Body Lotion | 7: Milk (Fresh) | | |
| 3: Iron Ores | 8: Vegetable Oil | | |
| 4: Bauxite | 9: USP 233 | | |
| 5: Zinc Oxide | 10: EPA 3015A | | |
| DPC Cap Calibration | | Select | |

The Titan MPS comes in two configurations:

Titan MPS 8-Position Microwave Sample Preparation System (Part No. N3130110):

The microwave comes configured with an 8-position turntable that employs 100 mL high-pressure vessels and allows pressures up to 100 bar.

Titan MPS 16-Position Microwave Sample Preparation System (Part No. N3130100):

The microwave comes configured with a 16-position turntable that employs 75 mL standard-pressure vessels and allows pressures up to 40 bar.

For more information on the Titan MPS microwave sample preparation system, visit www.perkinelmer.com/titanmps

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