

Multiple Injection Techniques for Maximum Flexibility

Agilent PAL3 Series 2 autosampler systems

Increase your lab productivity by enhancing your sampler preparation and injection capabilities

Every day, you perform several types of sample injection and manipulation. And now, the PAL3 Series 2 brings you flexible, high-capacity, and traceable options for sample preparation and injection into Agilent gas chromatographs.

The PAL3 Series 2 offers multiple sample injection techniques, including liquid injection, static and dynamic headspace, and solid phase microextraction. Smart chip technology inspires confidence by tracking syringe or SPME specifications and usage history through Agilent OpenLab and MassHunter software.

Take a closer look: www.agilent.com/chem/pal3

Integration with Agilent software lets you reduce downtime by planning preventive maintenance

Smart chip technology connects OpenLab and MassHunter software with details of the consumables in use:

- Specification and lot number
- First- and last-use dates
- Time spent within or above multiple headspace temperature ranges
- SPME phase details, maximum/minimum conditioning temperatures, and conditioning duration times
- Plunger counts

These and other details are reported to the Agilent data system used by your GC or GC/MS— with no need for added software or handheld controls.



Options for Optimizing Your Vial Capacity

PAL3 Series 2 autosamplers are available in 85 - 160 cm lengths and accommodate multiple vial and sample plate options.

Model	Description
LSI 85	– Liquid sampling on an 85 cm long sampler rail
RSI 85	– Liquid and optional headspace, SPME, and SPME Arrow sampling – Space-saving 85 cm long sampler – The same sample preparation abilities as the RSI 120 and RSI 160
RSI 120	– Liquid and optional headspace, SPME, and SPME Arrow sampling – 120 cm length to increase sample capacity up to 872 x 2 mL vials or 360 x 10/20 mL vials – Room for further sample preparation options
RSI 160	– 160 cm length allows maximum sample vial capacity – Accommodates up to 1458 x 2 mL liquid vials or 405 x 10- or 20-mL headspace vials – Liquid and optional headspace, SPME, and SPME Arrow sampling
RTC 120	– 120 cm sampler with advanced sample prep flexibility – Robotic Tool Change (RTC) capability automatically changes between tools for liquid, static/dynamic headspace, SPME Arrow, or SPME fibers
RTC 160	– 160 cm length for optimal sample prep flexibility and vial capacity – Increased capacity for advanced sample prep techniques and modules – Robotic Tool Change (RTC) capability automatically changes between tools for liquid, static/dynamic headspace, SPME Arrow, or SPME fibers

All models have liquid sampling capabilities, with added options for headspace and SPME sampling, plus sample preparation:

- Static and dynamic headspace for standard or concentrated headspace sampling
- SPME Arrows and SPME fibers for solid phase microextraction
- Micro SPE for automated sample clean-up such as QuEChERS
- Barcode readers for sample and data integrity
- Vortex mixers, solvent modules, dilutors, and agitators for sample preparation flexibility
- Centrifugation of 2 mL, 10 mL, and 20 mL sample vials
- Temperature control of samples from 4 to 40 °C in vials from 1 mL to 20 mL volumes
- Multiple configurations for 2 mL, 10 mL, or 20 mL sample vials and microtiter plates
- Options for gas and liquid chromatography sample handling

Take your autosampler to a new level of control, automation, and flexibility. Visit www.agilent.com/chem/pal3

DE44301.2979282407

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© Agilent Technologies, Inc. 2021, 2024
Published in the USA, November 15, 2024
5994-3271EN

