

Agilent Has The Right Sample Introduction Product For Your Lab

Agilent Sample Introduction Portfolio





With Agilent, you have the flexibility to choose the automatic sampler perfectly suited for the needs of your lab

Whether you're detecting emerging contaminants in drinking water, testing drugs for purity, or quantifying pesticides in food, your results have to be correct, precise, and irrefutable. As your lab's requirements and needs continue to change, achieving that level of precision is challenging.

Agilent helps you meet that challenge head on. With our portfolio of sample introduction products, we have a solution that's suited to the specific types of samples and analyses you perform. Regardless of your sample introduction needs, Agilent has a sampler to support your lab's productivity.



Agilent Sample Containment Solutions

Agilent vials are designed to meet the high standards you have come to expect:

- Guaranteed consistent performance from lot-to-lot
- Unsurpassed rigor in quality control and manufacturing
- Easy selection based on volume, sample type, and instrument
- Better value

Agilent vials perform seamlessly with a variety of analytical instruments. Use our online selection tool to quickly find the right products for complete confidence in your sample containment.

Automate your analysis

Eliminate the uncertainty of manual injection



Our most flexible liquid sampling system: **Agilent 7693A Series Automatic Liquid Sampler (ALS)**

Agilent 7693A, with advanced injection features, helps ensure your best chromatography. Whether you have a few or hundreds of samples to analyze, you'll experience sample handling and injection capabilities that are best in class.

- 3 layer sandwich injections, add sample internal standard and protectant in a single injection
- Sample preparation capabilities
- Sample look ahead, prepare sample before GC ready
- 2 turrets for sample prep or dual simultaneous injections
- Injection volumes from 0.01 μL to 250 μL



7693A ALS
16/150-vial capacity

Extended sampling flexibility and automation options

Variable needle depths allow you to sample anywhere within the vial, while optional sample handling capabilities further enhance your productivity.



Liquid/liquid
extraction



Small-volume
sampling



Reagent and
standard addition



Dilution/aliquoting/
reconstitution



Heating/mixing



Bar-code reading



7697A Headspace Sampler
12/111-vial capacity

**First-class precision, reliability, and ease of use:
Agilent 7697A GC Headspace Sampler**

With best-in-class technology and powerful software, the Agilent 7697A Headspace Sampler is packed with the latest productivity-boosting features.

- Unique sampling design allows you to use hydrogen as a carrier gas, delivering optimal chromatography to help future-proof your lab
- Comprehensive software goes beyond sample handling to guide you through tasks such as method development and resource conservation
- Method optimization tools facilitate headspace method development
- Electronic pneumatic control, vial leak checking, and barometric pressure compensation ensure consistent results

**Robust productivity tool for intermediate capacity needs:
Agilent 7650A ALS**

For labs with intermediate sampling needs, the Agilent 7650A is the ideal solution for achieving maximum productivity.

- 3 layer sandwich injections, add sample internal standard and protectant in a single injection
- Performance that is consistent with other Agilent ALS products
- Programmable injection means plunger speed can be optimized for large volume or challenging applications

7650A ALS
50-vial capacity





Agilent PAL Sampler

- Combines liquid, headspace, and SPME/SPME Arrow into one GC
- Automate more complicated sample preparation procedures

Agilent PAL3 LSI 684 liquid vials (2 mL)

Agilent PAL3 RSI for liquid, headspace, or SPME

Agilent PAL3 RTC robotic tool change for liquid, headspace, or SPME



Markes TD100-xr

Cryogen-free re-focusing
with 100-sample capacity

Markes Thermal Desorbers

- Highly sensitive and fully automated system for direct desorption of materials and accurate analysis of samples
- Supports sorbent tubes, canisters, and on-line analysis



Tekmar Purge and Trap

- Efficient trap cooling design and innovative moisture control system (MCS) for analysis of water and soil samples
- Ultra-low carryover, supports 40 mL VOA vials

Tekmar Atomx XYZ

84-vial capacity

This chart provides a quick reference for identifying which Agilent Sample Introduction solution will complement your lab's current applications.

	Intuvo 9000 GC	8890 GC	8860 GC	7890 GC	7820A GC	6850 Series II	6890 GC	5975T GC/MS
7693A ALS	•	•	•	•	•*	•**	•	•**
7697A Headspace Sampler	•	•	•	•	•	•	•	•
7650A ALS	•	•	•	•	•			•
PAL Samplers	•	•	•	•	•		•	
Markes Thermal Desorber		•	•	•	•	•	•	•
Tekmar Purge and Trap	•	•	•	•	•	•	•	•
Thermal Separation Probe	•	•		•				•

* Injector only unless ordered after June 1, 2015 or as part of a 5975E/5977E Series MSD bundle (MSD with 7820A)

** Injector only



Achieve highly reproducible injections over a long lifetime using Agilent's premium blue liner autosampler syringes.



Analyze trace levels of solid, liquid, and slurry samples quickly in the field

This thermal separation probe provides fast analysis of solid, liquid, and slurry samples with limited or zero sample preparation required.

Thermal Separation Probe

Distributed By



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