Agilent Sample Introduction Portfolio

# REGARDLESS OF YOUR NEEDS, AGILENT HAS THE RIGHT SAMPLE INTRODUCTION PRODUCT FOR YOUR LAB

The Measure of Confidence

**Agilent Technologies**

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

Agilent can help 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.



**7693A ALS**
16/32/150-vial capacity

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

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

- **Multiple-wash solvent capability** for pre- and post-injection needle rinsing reduces sample carryover
- **Pre-injection sample pumps and washes** further reduce the possibility of carryover
- **Single stroke injection volume,** as small as 0.01 µL and as large as 250 µL, lets you precisely match injections to the exact needs of your analyses



Liquid/liquid extraction | Small-volume sampling | Reagent and standard addition | Dilution/aliquoting/reconstitution | Heating/mixing | Bar code reading

*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.*

## 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 and helping 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



**7697A Headspace Sampler**
12/111-vial capacity

## 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.

• **State-of-the-art sample handling** provides the highest level of reliability for GC sampling

• **Delivers performance** 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

## Designed specifically for your 6850 GC
## Agilent 6850 ALS

Combine the Agilent 6850 Automatic Liquid Sampler (ALS) with the Agilent 6850 GC to create the ideal gas chromatography system for routine QA/QC analyses.

• **Programmable**, allowing unattended operation for increased productivity

• **Preserves the GC system's small footprint**, while adding significant sample capacity

• **Optional turret** to accommodate 22 4-mL vials

**6850 ALS**
27-vial capacity

### Agilent PAL Sampler

• Combines liquid, headspace, and SPME injection into one instrument, so you can switch from one application to another on the same GC workstation

• Accommodates 4 vial sizes: 1 mL, 2 mL, 10 mL, and 20 mL

### Thermal Desorbers

• Labor-saving sample introduction technique for GC and GC/MS that combines selective concentration enhancement with direct extraction into the carrier gas

### Tekmar Purge & Trap

• Ability to vary flow rates in different modes, which increases sample throughput

• Ultra-low carryover; superior water management

**Agilent PAL Sampler 80**
294-vial (2 mL) and 96-vial (10/20 mL) capacity
**Agilent PAL Sampler 120**
686-vial (2 mL) and 224-vial (10/20 mL) capacity

**7667A Mini TD**
Tube-only one-stage technology

**Markes TD100**
Cryogen-free re-focusing with 100 sample capacity

**Tekmar Atomx**
80-vial capacity

To find the right Agilent Sample Introduction device for your specific needs, visit **www.agilent.com/chem/GC**

# AT A GLANCE:
## AGILENT SAMPLE INTRODUCTION DEVICES MEET YOUR NEEDS

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

| GC and GC/MS ALS | 7890 GC | 7820A GC | 6850 Series II | 6890 GC | 5975T | 6820 GC |
|---|---|---|---|---|---|---|
| 7693A ALS | ● | ●* | ●** | ● | ●** | |
| 7697A Headspace Sampler | ● | ● | ● | ● | ● | |
| 7650A ALS | ● | ● | | | ● | |
| 6850 ALS | | | ● | | | |
| PAL Samplers | ● | | ● | ● | ● | |
| Markes TD | ● | ● | ● | ● | ● | ● |
| 7667A Mini TD | ●*** | ● | ●*** | ●*** | ● | ●*** |
| Tekmar Purge and Trap | ● | ● | ● | ● | ● | ● |
| Capillary Trap Sampler | ● | | | | ● | |
| Thermal Separation Probe | ● | | | | ● | |

*Injector only, unless used with 5975E GC/MS        ** Injector only        *** Remote control mode only

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

**Capillary Trap Sampler:** This portable, handheld sampler concentrates trace-level airborne compounds in minutes, allowing you to reduce your sampling speed to just minutes – or seconds – per sample.

**Thermal Separation Probe:** This TSP provides fast analysis of solid, liquid, and slurry samples with limited or zero sample preparation required.

**For more information**

Whatever your sample introduction needs, we have an instrument that can maximize your lab's productivity. Visit **www.agilent.com/chem/GC**

Buy online: **www.agilent.com/chem/store**

Find an Agilent customer center in your country: **www.agilent.com/chem/contactus**

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