SIMPLIFY AND ACCELERATE YOUR COMPLEX SCREENING METHODS

The Measure of Confidence

Agilent GC/MSD Forensic/Toxicology Analyzer

Reduce the strain on your resources by implementing new technologies for analyzing difficult matrices

Based on Agilent's 5977A Series GC/MSD and 7890B GC System, our user-friendly GC/MSD Forensic/Toxicology Analyzer quickly screens and quantitates large numbers of target compounds in complex matrices – all within a single analysis. Its full-scan EI methods give you many advantages for broad-range screening, such as unlimited targets, full-spectrum identity confirmation, and library searching for non-target identification. Additionally, the Analyzer is pre-tested for forensic/toxicology analysis – with inlet, column, capillary flow technology, and software tools factory installed and configured – to save you method development time.

Screen *more* target compounds... in *less* time

Agilent's GC/MSD Forensic/Toxicology Analyzer makes use of productivity-boosting GC/MS technologies that allow you to:

- Increase the number of targets screened
- Differentiate target compounds from matrix interference
- Reduce the analysis time required per sample
- Perform a complete data review including screening and quantitation in less than 10 minutes
- Produce consistent, high-quality results immediately after installation

The following components are included – saving you time and money:

- Retention Time Locked application-specific column, ensuring reliable database matching
- Video training tutorials facilitate learning of more advanced Analyzer features
- Quick-start guide and Application Note that demonstrate how to run the screening method provided with the Analyzer
- CD-ROM with analysis methods, data files, and reports

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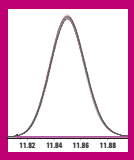
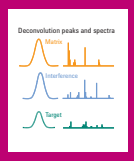
These built-in features make it *faster* and *easier* to screen large numbers of target compounds in complex matrices

Nitrogen-phosphorus detector (NPD) with advanced Blos bead technology provides sensitive nitrogen detection, ensures stable operation, and more than doubles bead lifetime.



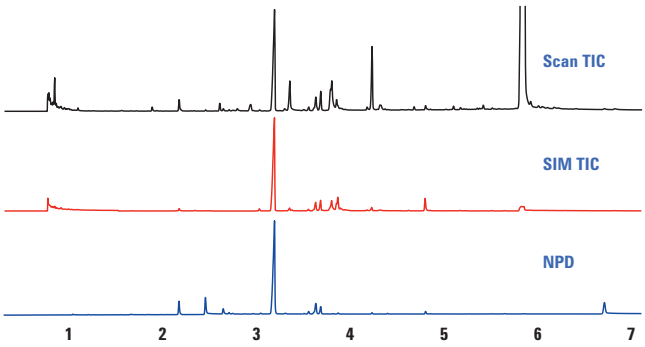
Retention Time Locking (RTL) for consistent retention times after column maintenance and easy matching with the 725-compound forensic/toxicology library.



Deconvolution Reporting Software (DRS) for fast data review in 10 minutes per sample, with screening and quantitation in one run.

Capillary Flow Technology (CFT) and backflush shorten cycle times, reduce chemical background, extend column life and reduce frequency of source cleaning.

See how our GC/MSD Forensic/Toxicology Analyzer can get your lab on the *fast track* to better broad-range screening



Fast acquisition of multiple signals: In this toxicology screen of blood extract, Scan, SIM and NPD signals were collected simultaneously in one 9.75-minute run (injection to injection) instead of three 30-minute runs.

MSD Deconvolution Report
Sample Name: CA5995
Data File: C:\msdchem\1\Appnote\FT5_4x10m_SamplesSimScan\CA5995_nss.D
Date/Time: 11:39 AM Wednesday, Apr 2 2008

The NIST library was not searched for the components that were found in the AMDIS target library.

			Agilent	AMDIS	
R.T.	Cas #	Compound Name	ChemStation Amount (~ng)	Match	R.T. Diff sec.
1.539	54115	Nicotine	0.03	59	-0.5
1.6446	98920	Nicotinamide	0.27	93	-0.9
2.1631	999401024	Carisoprodol artifact	64.87	93	-0.5
2.6367	486566	Cotinine	1	96	-0.4
2.928	57534	Meprobamate	4.11	99	0.0
3.033	58082	Caffeine	0.04	82	-0.5
3.1832	78444	Carisoprodol	127.4	96	1.0
3.8653	76993	Methadone	0.39	74	-0.1
4.2279	7199293	Cyheptamide	22.5	98	0.1
4.8014	76426	Oxycodone	2.37	82	0.0
5.850	57885	Cholesterol	922.73	97	3.4

A DRS report (with locked retention times) of the blood extract toxicology screen. DRS works with Agilent's forensic/toxicology library to quickly and accurately identify target compounds in high-matrix samples.

Ordering information:

Order an Agilent **5977A Series GC/MSD** along with an Agilent **7890B GC system** using the following Part Number:

- **G3445B#471: Forensic/Toxicology DRS Screening GC/MSD Analyzer**

Put your lab on the productivity fast track.

Contact your local Agilent Representative or Agilent Authorized Distributor

Call **800-227-9770** (in the U.S. or Canada) or visit **www.agilent.com/chem/appkits**

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