

# SIMPLIFY YOUR STARTUP FOR UNTARGETED DRUG SCREENING

The Measure of Confidence



## TOF and Q-TOF LC/MS Forensic Toxicology PCDL and Application Kit

### Screen samples quickly and easily using the Forensic Toxicology Accurate Mass Database and Library

Conventional multi-target forensic screening methods are based upon triple quadrupole technology, which excels at high sensitivity targeted analysis of a limited set of compounds. High-resolution accurate mass TOF or Q-TOF instrumentation is ideally suited for screening a wide range of targeted and non-targeted compounds. An added benefit is full scan acquisition, allowing retrospective analysis of previously analyzed samples without sample reruns.

The Agilent Forensic Toxicology Accurate Mass Personal Compound Database and Library (PCDL) and LC/MS Application Kit contain all you need for fast startup. The Application Kit is user-friendly and enables even high-volume labs to perform truly comprehensive screening for large numbers of target and non-target compounds.

### New Designer Drug Library

Our recently updated Forensic Toxicology database and searchable library (PCDL) now contains more than 9,000 compounds, over 3,400 of which include high quality accurate mass MS/MS spectra. Included in these entries are more than 750 designer drug compounds to support an emerging and rapidly expanding new class of drugs of abuse.

### The following components are included— saving you time and money:

- Agilent 9,000-compound Broecker, Herre & Pragst Accurate Mass MS/MS Personal Compound Database and Library (PCDL) with Accurate Mass MS/MS spectra for more than 3,400 analytes
- Comprehensive Forensic Toxicology test mix with more than 130 compounds
- Agilent LC columns ideally suited for high resolution analysis of a large number of compounds
- Quick-start and Method Setup guides that show you how to run the test mixes and create screening methods
- Examples of easy-to-use screening methods, data files, and reports that demonstrate method setup and adaptation
- On site application-based training to assist with method setup for quick and effective startup



**Agilent Technologies**

## Leading-edge technologies deliver speed, sensitivity, and powerful data mining tools that make broad screening accessible to your lab



A more than 9,000-analyte Forensic Toxicology PCDL with Agilent MassHunter Data Acquisition and Analysis software lets you quickly implement high quality screening methods that can be modified to meet your future needs.

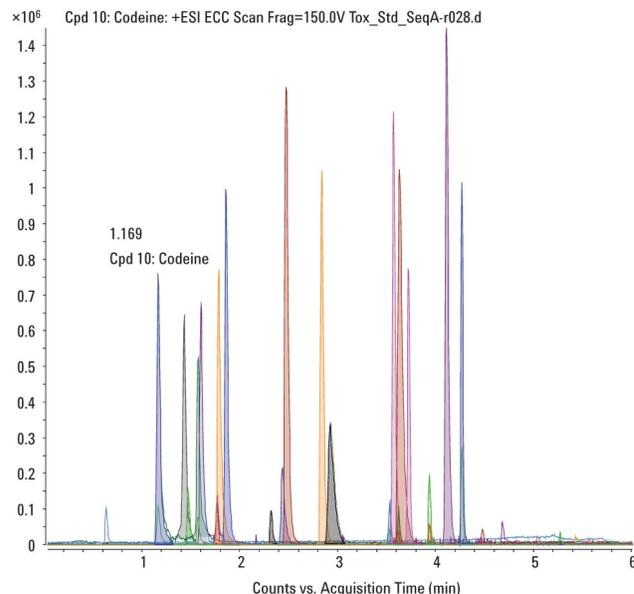


**The Agilent 1290 Infinity II LC system** provides unmatched chromatographic resolution and reduced runtimes, delivering the high-quality data you need for sensitive and reproducible screening applications. The Agilent Jet Stream

electrospray ion source dramatically lowers detection limits. **Agilent TOF and Q-TOF LC/MS systems** give you best in class MS and MS/MS mass accuracy. Full spectrum acquisition captures all data for retrospective analysis without the need to repeat injections.

## Pre-developed examples help you implement your screening method in a fraction of the time

To demonstrate its functionality, Agilent's TOF or Q-TOF Forensic Toxicology Application Kits include a comprehensive test mix for both positive and negative ion modes.



This extracted compound chromatogram was generated using the LC/MS Toxicology checkout test mix.

## Put your forensic 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](http://www.agilent.com/chem/appkits)

## Ordering information:

### Agilent's TOF and Q-TOF LC/MS Forensic Toxicology Application Kit:

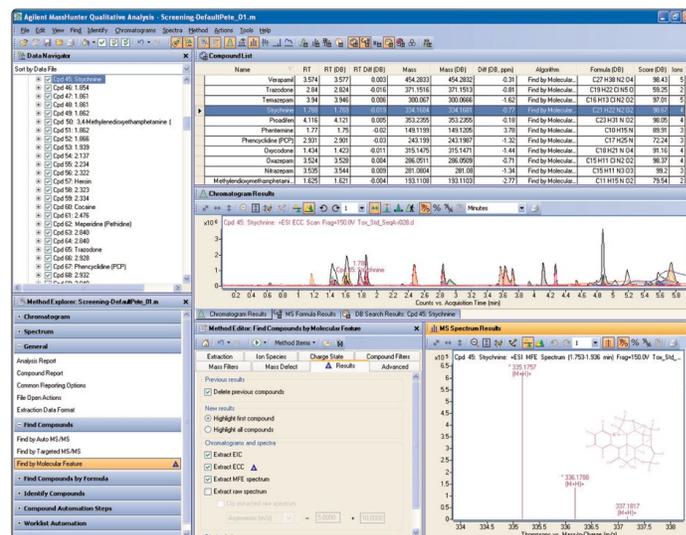
- Forensic Toxicology PCDL Kit for Q-TOF (G3876AA)

### The following are required but not included with the G3876AA kit:

- Agilent Agilent 1260 Infinity or 1290 Infinity II LC
- Agilent 6200 Series TOF or 6500 Series Q-TOF LC/MS system
- Agilent MassHunter Acquisition Software B.06 or higher and Windows 7 64-Bit
- Agilent MassHunter Qualitative Analysis Software B.07 Sp1 or higher
- Agilent MassHunter Quantitative Analysis Software B.07 or higher

## For Forensic Use

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Agilent's **Forensic Toxicology PCDL** ensures fast, customized method development. The screen above gives an example of batch summary results with retention times updated.

