



Agilent Forensic Toxicology PCDL LC/MS Application Kit G3876AA for the Agilent TOF and Q-TOF LC/MS

Data Sheet

The Agilent Forensic Toxicology PCDL LC/MS Application kits reduce method setup time and deliver high quality results.

Kit component	Specifications
Forensic Toxicology Personal Compound Database and Library (PCDL) B.07.00	<p>Accurate Mass Database for 8,998 compounds, including the following compound classes:</p> <ul style="list-style-type: none"> • Cannabinoids • Hallucinogens • Stimulants • Benzodiazepines • Hypnotics • Neuroleptics • Barbituates • Antidepressants • Cardiovascular medicals • Antiepileptics • Opioids • Designer drugs • Veterinary drugs • Pesticides • Equine drugs <p>Each curated Database entry includes:</p> <ul style="list-style-type: none"> • Compound common name • Accurate mass of neutral molecule • IUPAC name • Molecular formula • Molecular structure • Ion type (anion, cation, or neutral) • CAS Number/PubChem link (if existing) • ChemSpider ID and hyperlink (if existing) <p>Accurate Mass Spectral Library for 3,497 compounds:</p> <ul style="list-style-type: none"> • Each precursor and product ion peak corrected to theoretical accurate mass • Spectra acquired at 10, 20, and 40 eV Collision Energy • Spectra measured in positive or negative ion mode where applicable • Spectra are filtered for signal intensity and curated for <ul style="list-style-type: none"> • Spectrum noise • Chemical impurities • Incorrectly set instrument parameters
LC/MS Acquisition methods	<ul style="list-style-type: none"> • Detailed Method Setup Guide including LC and MS acquisition parameters for quick TOF/Q-TOF LC/MS screening method creation for all compounds in the Agilent Forensic Toxicology Comprehensive Test Mix • UHPLC compatible • Compatible with all current Agilent TOF and Q-TOF models
Quick Start Guide Method Setup Guide	<ul style="list-style-type: none"> • Detailed protocol for kit installation and familiarization • Guidance for creation of TOF and Q-TOF acquisition methods for all compounds in the Agilent Forensic Toxicology Comprehensive Test Mix
LC Columns	<ul style="list-style-type: none"> • Agilent ZORBAX Eclipse Plus C18, 2.1 × 50 mm, 1.8 μm, 1,200 bar (p/n 959757-902) • Agilent ZORBAX Eclipse Plus C18, 2.1 × 100 mm, 1.8 μm, 1,200 bar (p/n 959758-902) • Agilent ZORBAX Poroshell 120 EC-C18, 2.1 × 150 mm, 2.7 μm (p/n 693775-902)
Agilent Forensic Toxicology Checkout Test Mix (p/n 5190-0556) <i>Availability subject to country-specific import-regulations</i>	<ul style="list-style-type: none"> • Used for installation and familiarization • 13 forensic toxicology compounds • 100 μg/mL in acetonitrile/water (9:1) • 1 × 1 mL ampule • Analytical reference standard with lot number and certificate of analysis
Agilent Forensic Toxicology Comprehensive Test Mix (p/n 5190-0555) <i>Availability subject to country-specific import-regulations</i>	<ul style="list-style-type: none"> • Used for on-site consulting • 139 compounds in 10 sub-mixes (15 × 1 mL ampules total) • 100 μg/mL in acetonitrile, acetonitrile/water (9:1), methanol (varies by sub-mix) • Analytical reference standard with lot number and certificate of analysis
Installation and familiarization	<ul style="list-style-type: none"> • Four hours installation and kit checkout by application-certified Field Service Engineer • Two hours familiarization by application-certified Field Service Engineer • Preventative Maintenance (PM) required for existing systems within four weeks of kit installation (not required for new install)
On-site consulting	<ul style="list-style-type: none"> • Performed by a certified Application Expert • Three days on-site application consulting • Will implement screening method with compounds in the Agilent Forensic Toxicology Comprehensive Test Mix • Flexible tasks per arrangements made with customer prior to on-site visit
Software requirements	<ul style="list-style-type: none"> • Windows 7 Professional 64-Bit • Agilent MassHunter Acquisition B.05.00 or higher • Agilent MassHunter Qualitative Analysis B.07.00 Sp1 or higher



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