



# Agilent Technologies

## **Agilent Bond Elut Certify**

A collection of citations to advance your research

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## Environmental

### [Derivatization on Solid Supports: An Alternative Method for Solution Derivatization of Amines in Several Matrices](#)

*Chromatographia*, **58**, 15-27 (2003)

C. Molins Legua, P. Campíns-Falcó, S. Meseguer Lloret

#### Tags

Bond Elut PPL, Bond Elut C18, Bond Elut Certify, Bond Elut SCX, environmental, water analysis

#### Abstract

Agilent Bond Elut C18 gave the best results in this effective application of derivatizing aliphatic and biogenic amines on SPE versus solution derivatization. Published by Springer.

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## Forensics and toxicology

### [Development and validation of a gas chromatography-mass spectrometry method for the simultaneous determination of buprenorphine, flunitrazepam and their metabolites in rat plasma: application to the pharmacokinetic study](#)

*Journal of Chromatography B*, **807**, 335-342 (2004)

S. Pirnay *et al.*

#### Tags

Bond Elut Certify, HP-5ms, forensics and toxicology

#### Abstract

An Agilent J&W HP-5ms GC column was used for analysis of opioid analgesics extracted from plasma samples with Agilent Bond Elut Certify. Published by Elsevier B. V.

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### [Hair testing and self-report of cocaine use](#)

*Forensic Science International*, **215**, 77-80 (2012)

Claudia Vignali *et al.*

#### Tags

Bond Elut Certify, forensics and toxicology

#### Abstract

Hair was tested for amphetamines, cocaine, and opiates using Bond Elut Certify sample prep with GC/MS of derivatized samples, with extremely low LODs of 0.01 to 0.03 ng/mL and good recoveries. Published by Elsevier B. V.

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[Development of a Liquid Chromatographic Method for the Simultaneous Determination of Six Benzodiazepines in Human Plasma After Solid-Phase Extraction](#)

*Analytical Letters*, **43**, 1075-1084 (2010)  
Purificación Fernández *et al.*

**Tags**  
Bond Elut NEXUS, Bond Elut Certify, forensics  
and toxicology

**Abstract**

A simple and fast procedure is presented for the simultaneous determination of alprazolam, bromazepam, diazepam, lorazepam, lormetazepam, and tetrazepam in human plasma. The drugs were isolated by solid-phase extraction, and the subsequent analysis was carried out by high-performance liquid chromatography coupled with a diode-array detector (HPLC-DAD). This allowed recoveries of around 90% to be obtained with good sensitivity, selectivity, and resolution of the eluting peaks. The detector response at 230 nm was linear within the benzodiazepine concentration range of 20–4000 ng/mL in human plasma, with values of less than 6.7% and 5.4% for precision and accuracy, respectively. ©2013 Taylor & Francis.

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## Materials testing and research

[o-Phthalaldehyde–N-acetylcysteine polyamine derivatives: formation and stability in solution and in C18 supports](#)

*Sciences and Applications*, **759**, 265-297 (2001)  
P. Campíns-Falcó *et al.*

**Tags**  
Bond Elut PPL, Bond Elut C2, C8 and C18,  
Bond Elut Certify, Hypersil ODS, materials  
testing and research

**Abstract**

On SPE derivatization of polyamines with OPA, Agilent Bond Elut C18 was the best although recovery could be improved. Published by Elsevier B. V.

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