

Validation of bioanalytical LC-MS/MS assays: Evaluation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Comparison of the Validity of Gas Chromatography-Mass Spectrometry and Liquid Chromatography-Tandem Mass Spectrometry Analysis of Urine Samples for Morphine, Codeine, 6-Acetylmorphine, and Benzoylcgonine. <i>Journal of Analytical Toxicology</i> , 2009, 33, 398-408.	1.7	33
2	Simultaneous determination of triprolidine and pseudoephedrine in human plasma by liquid chromatography-ion trap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 4071-4078.	1.2	13
3	A rapid and sensitive LC-MS/MS method for quantification of four anthocyanins and its application in a clinical pharmacology study of a bioadhesive black raspberry gel. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 4027-4034.	1.2	29
4	Drugs of abuse testing by tandem mass spectrometry: A rapid, simple method to replace immunoassays. <i>Clinical Biochemistry</i> , 2009, 42, 1531-1542.	0.8	72
5	Matrix effect elimination during LC-MS/MS bioanalytical method development. <i>Bioanalysis</i> , 2009, 1, 1243-1257.	0.6	118
6	A Rapid and Sensitive LC-MS/MS Method for Determination of Fluconazole in Human Plasma and Its Application in Infants with Candida Infections. <i>Therapeutic Drug Monitoring</i> , 2009, 31, 703-709.	1.0	31
7	Fast Liquid Chromatography-Tandem Mass Spectrometry Method for Routine Assessment of Irinotecan Metabolic Phenotype. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 638-646.	1.0	14
8	Simultaneous Analysis of Fluoxetine, Norfluoxetine, Citalopram, and Haloperidol in Plasma by LC-ESI-IT-MS. <i>Chromatographia</i> , 2010, 71, 423-430.	0.7	10
9	Quantitative determination of urinary 8-oxo-7,8-dihydro-2-deoxyguanosine, 8-oxo-7,8-dihydroguanine, 8-oxo-7,8-dihydroguanosine, and their non-oxidized forms: daily concentration profile in healthy volunteers. <i>Biomarkers</i> , 2010, 15, 221-231.	0.9	53
10	Quantification of testosterone and metabolites released after alkaline treatment in human urine. <i>Drug Testing and Analysis</i> , 2010, 2, 630-636.	1.6	21
11	Development of a high sensitivity bioanalytical method for alprazolam using ultra-performance liquid chromatography/tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2010, 2, 11-18.	1.6	6
12	Evaluation of Alternate Isotope-Coded Derivatization Assay (AIDA) in the LC-MS/MS analysis of aldehydes in exhaled breath condensate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2616-2622.	1.2	29
13	Determination of non-steroidal anti-inflammatory drugs residues in animal muscles by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 672, 85-92.	2.6	54
15	Column-switching HPLC-MS/MS analysis of ropivacaine in serum, ultrafiltrate and drainage blood for validating the safety of blood reinfusion. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 76-82.	1.2	16
16	A review of LC-MS techniques and high-throughput approaches used to investigate drug metabolism by cytochrome P450s. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1326-1336.	1.2	58
17	Simultaneous determination of active xanthone glycosides, timosaponins and alkaloids in rat plasma after oral administration of Zi-Shen Pill extract for the pharmacokinetic study by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1845-1854.	1.2	66
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21	Signal suppression/enhancement in high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 3929-3937.	1.8	561
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28	Antidepressant Drugs in Oral Fluid Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2010, 34, 64-72.	1.7	36
29	A Comparison of the Validity of Gas Chromatography-Mass Spectrometry and Liquid Chromatography-Tandem Mass Spectrometry Analysis of Urine Samples II: Amphetamine, Methamphetamine, (R)-3,4-Methylenedioxyamphetamine, (R)-3,4-Methylenedioxymethamphetamine, (R)-3,4-Methylenedioxyethylamphetamine, Phencyclidine, and (R)-11-nor-9-Carboxy- $\Delta^9$ -tetrahydrocannabinol. <i>Journal of Analytical Toxicology</i> , 2010, 34, 430-443.	1.7	16
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31	Liquid chromatography-tandem mass spectrometry method for simultaneous quantification of four triazole antifungal agents in human plasma. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1515-1522.	1.4	36
32	Steroid Assays in Paediatric Endocrinology. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2010, 2, 1-16.	0.4	25
33	Determination of mycophenolic acid and its phenyl glucuronide in human plasma, ultrafiltrate, blood, DBS and dried plasma spots. <i>Bioanalysis</i> , 2010, 2, 1423-1435.	0.6	46
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38	Identifying, Evaluating, and Controlling Bioanalytical Risks Resulting from Nonuniform Matrix Ion Suppression/Enhancement and Nonlinear Liquid Chromatography Mass Spectrometry Assay Response. <i>Analytical Chemistry</i> , 2010, 82, 9671-9677.	3.2	48

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40	Human DBS sampling with LC-MS/MS for enantioselective determination of metoprolol and its metabolite O-desmethyl metoprolol. <i>Bioanalysis</i> , 2010, 2, 1437-1448.	0.6	17
41	Elimination of LC-MS/MS matrix effect due to phospholipids using specific solid-phase extraction elution conditions. <i>Bioanalysis</i> , 2010, 2, 1011-1021.	0.6	45
42	Steroid measurement with LC-MS/MS. Application examples in pediatrics. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 121, 520-527.	1.2	93
43	MATRIX EFFECTS IN LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1067-1081.	0.5	54
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51	Full-scan high resolution accurate mass spectrometry (HRMS) in regulated bioanalysis: LC-HRMS for the quantitation of prednisone and prednisolone in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2919-2927.	1.2	62
52	Determination of four pyridine alkaloids from <i>Tripterygium wilfordii</i> Hook. f. in human plasma by high-performance liquid chromatography coupled with mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3516-3522.	1.2	14
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54	Determination of antihypertensive and anti-ulcer agents from surface water with solid-phase extraction-liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Talanta</i> , 2011, 83, 1447-1454.	2.9	30
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58	<sup>13</sup> C labelled internal standards – A solution to minimize ion suppression effects in liquid chromatography – tandem mass spectrometry analyses of drugs in biological samples?. <i>Journal of Chromatography A</i> , 2011, 1218, 9366-9374.	1.8	132
59	Practical aspects concerning validation and quality control for forensic and clinical bioanalytical quantitative methods. <i>Accreditation and Quality Assurance</i> , 2011, 16, 279-292.	0.4	98
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69	Direct – EI in LC – MS: Towards a universal detector for small – molecule applications. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1242-1255.	2.8	43
70	LC – MS in analytical toxicology: some practical considerations. <i>Biomedical Chromatography</i> , 2011, 25, 100-123.	0.8	58
71	Analyses of benzodiazepines and their metabolites in various biological matrices by LC-MS(/MS). <i>Biomedical Chromatography</i> , 2011, 25, 1283-1307.	0.8	53
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76	Quantification of 3-deazaneplanocin A, a novel epigenetic anticancer agent, in rat biosamples by hydrophilic interaction liquid chromatography-tandem mass spectrometric detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 285-290.	1.2	7
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101	Quantification of monoamine neurotransmitters and melatonin in sea lamprey brain tissues by high performance liquid chromatographyâ€“electrospray ionization tandem mass spectrometry. <i>Talanta</i> , 2012, 89, 383-390.	2.9	26
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116	Variability of matrix effects in liquid and gas chromatography-mass spectrometry analysis of pesticide residues after QuEChERS sample preparation of different food crops. <i>Journal of Chromatography A</i> , 2012, 1270, 235-245.	1.8	187
117	Liquid chromatography-tandem mass spectrometry method for determination of five antidepressants and four atypical antipsychotics and their main metabolites in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 907, 101-107.	1.2	62
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123	Simultaneous Determination of Levocetirizine and Pseudoephedrine in Dog Plasma by Liquid Chromatography-Mass Spectrometry in the Presence of Dextrocetirizine. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2012, 15, 519.	0.9	7
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126	The influence of electrospray ion source design on matrix effects. <i>Journal of Mass Spectrometry</i> , 2012, 47, 875-884.	0.7	62
127	An integrated bioanalytical method development and validation approach: case studies. <i>Biomedical Chromatography</i> , 2012, 26, 1215-1227.	0.8	6
128	Determination of aripiprazole in rat plasma and brain using ultra-performance liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2012, 26, 1325-1332.	0.8	26
129	Turbulent flow chromatography in bioanalysis: a review. <i>Biomedical Chromatography</i> , 2012, 26, 892-905.	0.8	68

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130	Aspects of matrix effects in applications of liquid chromatography–mass spectrometry to forensic and clinical toxicology—a review. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2155-2172.	1.9	138
131	Determination of organic acids in fruits and vegetables by liquid chromatography with tandem-mass spectrometry. <i>Food Chemistry</i> , 2012, 132, 1049-1054.	4.2	176
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