An automated method for the simultaneous measurement of azole antifungal drugs in human plasma or serum using turbulent flow liquid chromatography-tandem mass spectrometry

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#	Paper	IF	Citations
26	An automated method for measurement of methoxetamine in human plasma by use of turbulent flow on-line extraction coupled with liquid chromatography and mass spectrometric detection. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 239-45	4.4	26
25	Direct analysis of eight chlorophenols in urine by large volume injection online turbulent flow solid-phase extraction liquid chromatography with multiple wavelength ultraviolet detection. *Talanta*, **2014**, 119, 396-400	6.2	23
24	Solid-phase membrane tip extraction combined with liquid chromatography for the determination of azole antifungal drugs in human plasma. *Analytical Methods*, **2014**, 6, 3375-3381	3.2	20
23	Recent advances in sample preparation techniques to overcome difficulties encountered during quantitative analysis of small molecules from biofluids using LC-MS/MS. *Analyst, The*, **2014**, 139, 2265-76	5	172
22	Development and validation of a liquid chromatography-tandem mass spectrometry (LC-MS/MS) assay to quantify serum voriconazole. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2015**, 986-987, 94-9	3.2	17
21	Magnetic beads as an extraction medium for simultaneous quantification of acetaminophen and structurally related compounds in human serum. *Drug Testing and Analysis*, **2015**, 7, 457-66	3.5	4
20	Triazole antifungals used for prophylaxis and treatment of invasive fungal disease in adult haematology patients: Trough serum concentrations in relation to outcome. *Medical Mycology*, **2016**, 54, 691-8	3.9	17
19	Direct analysis of prostaglandin-E2 and -D2 produced in an inflammatory cell reaction and its application for activity screening and potency evaluation using turbulent flow chromatography liquid chromatography-high resolution mass spectrometry. *Journal of Chromatography A*, **2016**, 1463, 128-35	4.5	4
18	LC-MS/MS as a tool for TDM services: Where are we?. *Clinical Biochemistry*, **2016**, 49, 1009-23	3.5	46
17	Electrochemical oxidation behavior of itraconazole at different electrodes and its anodic stripping determination in pharmaceuticals and biological fluids. *Journal of Electroanalytical Chemistry*, **2016**, 763, 51-62	4.1	22
16	An ultra performance liquid chromatography-tandem mass spectrometry method for the therapeutic drug monitoring of isavuconazole and seven other antifungal compounds in plasma samples. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1046, 26-33	3.2	23
15	Advances in Clinical Mass Spectrometry. *Advances in Clinical Chemistry*, **2017**, 79, 153-198	5.8	11
14	A rapid UPLC-MS/MS assay for the simultaneous measurement of fluconazole, voriconazole, posaconazole, itraconazole, and hydroxyitraconazole concentrations in serum. *Clinical Chemistry and Laboratory Medicine*, **2017**, 55, 836-844	5.9	12
13	Reliable and Easy-To-Use Liquid Chromatography-Tandem Mass Spectrometry Method for Simultaneous Analysis of Fluconazole, Isavuconazole, Itraconazole, Hydroxy-Itraconazole, Posaconazole, and Voriconazole in Human Plasma and Serum. *Therapeutic Drug Monitoring*, **2017**, 39, 505-513	3.2	10
12	Simultaneous determination of voriconazole, posaconazole, itraconazole and hydroxy-itraconazole in human plasma using LCMS/MS. *Clinical Biochemistry*, **2018**, 53, 110-115	3.5	9
11	Advances in antifungal drug measurement by liquid chromatography-mass spectrometry. *Clinica Chimica Acta*, **2019**, 491, 132-145	6.2	13
10	Development of a validated LC-MS/MS method for the in vitro and in vivo quantitation of sunitinib in glioblastoma cells and cancer patients. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 164, 690-697	3.5	5

9	Development and validation of a volumetric absorptive microsampling assay for analysis of voriconazole and voriconazole N-oxide in human whole blood. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2019**, 1105, 67-75	3.2	13
8	A sensitive method for analyzing fluconazole in extremely small volumes of neonatal serum. *Journal of Pharmaceutical Health Care and Sciences*, **2020**, 6, 14	1.8	4
7	. **2020**,		1
6	A sustainable approach for graphene-oxide surface decoration using Oxalis corniculata leaf extract-derived silver nanoparticles: their antibacterial activities and electrochemical sensing. *Dalton Transactions*, **2020**, 49, 8625-8635	4.3	6
5	Therapeutic Drug Monitoring. **2020**, 479-504		1
4	Mass spectrometry for the quantification of drugs in biosamples. *Handbook of Analytical Separations*, **2020**, 7, 47-79	0.7	
3	High-throughput simultaneousquantification offive azole anti-fungal agents and one active metabolite in human plasma using ultra-high-performance liquid chromatography coupled to tandem mass spectrometry. *Clinical Biochemistry*, **2021**, 99, 87-87	3.5	1
2	Intoxication non l□ale par la M□thox□amine : confirmation analytique □□ide d□un syst□me d□extraction en ligne Turboflow□ coupl□□de la LC/MS/MS. *Toxicologie Analytique Et Clinique*, **2013**, 25, 17-25	0.4	
1	Turbulent Flow Chromatography: A Unique Two-Dimensional Liquid Chromatography.		0