

## SCIEX 治疗药物监测(TDM)发表文章目录 (第三卷)



## 精神疾病类药物

- 1. Quantitative determination of risperidone, paliperidone and olanzapine in human serum by liquid chromatography-tandem mass spectrometry coupled with on-line solid phase extraction. Biomedical Chromatography.
- 2. A fast, sensitive and simple method for mirtazapine quantification in human plasma by HPLC-ESI-MS/MS. Application to a comparative bioavailability study. Biomedical Chromatography.
- 3. A Fatal Overdose of Cocaine Associated with Coingestion of Marijuana, Buprenorphine, and Fluoxetine. Body Fluid and Tissue Distribution of Cocaine and Its Metabolites Determined by Hydrophilic Interaction Chromatography-Mass Spectrometry (HILIC-MS). Journal of Analytical Toxicology.
- 4. A highly sensitive LC-MS/MS method for the determination of S-citalopram in rat plasma: application to a pharmacokinetic study in rats. Biomedical Chromatography.
- 5. A new rapid micro-method for the assay of phenobarbital from dried blood spots by LC-tandem mass spectrometry. Epilepsia.
- 6. A Simple Isotope Dilution Electrospray Ionization Tandem Mass Spectrometry Method for the Determination of Free Phenytoin. Ther Drug Monit.
- 7. A tandem mass spectrometry assay for the simultaneous determination of acetaminophen, caffeine, phenytoin, ranitidine, and theophylline in small volume pediatric plasma specimens. Clinica chimica acta.
- 8. An LC-MS/MS method for the simultaneous determination of 15 antipsychotics and two metabolites in hair and its application to rat hair. Forensic Science International.

- 9. A UPLC-MS/MS method for the analysis of glimepiride and fluoxetine in human plasma. Journal of Chromatography B.
- A simple, rapid and stability indicating validated method for quantification of lamotrigine in human plasma and dry plasma spot using LC-ESI-MS/MS: Application in clinical study. Journal of Chromatography B.
- 11. Development and validation of a reference measurement procedure for certification of phenytoin, phenobarbital, lamotrigine, and topiramate in human serum using isotopedilution liquid chromatography/tandem mass spectrometry. Anal Bioanal Chem.
- 12. Determination of duloxetine in human plasma by liquid chromatography with atmospheric pressure ionization-tandem mass spectrometry and its application to pharmacokinetic study. Journal of Chromatography B.
- 13. Rapid high-performance liquid chromatography-tandem mass spectrometry method for simultaneous measurement of venlafaxine and O-desmethylvenlafaxine in human plasma and its application in comparative bioavailability study. Biomed. Chromatogr.
- 14. Employing atmospheric pressure photoionization in liquid chromatography/ tandem mass spectrometry to minimize ion suppression and matrix effects for the quantification of venlafaxine and O-desmethylvenlafaxine. Rapid Communications in Mass Spectrometry.
- 15. Liquid chromatography tandem mass spectrometry assay for the simultaneous determination of venlafaxine and O-desmethylvenlafaxine in human plasma and its application to a bioequivalence study. Journal of Pharmaceutical and Biomedical Analysis.
- Liquid chromatography tandem mass spectrometry method for the simultaneous stereoselective determination of venlafaxine and its major metabolite, O-desmethylvenlafaxine, in human plasma. Biomed. Chromatogr.

- 17. Simultaneous determination of Olanzapine and Fluoxetine in human plasma by LC-MS/MS: Its pharmacokinetic application. Journal of Pharmaceutical and Biomedical Analysis.
- 18. A high throughput and selective method for the estimation of valproic acid an antiepileptic drug in human plasma by tandem LC-MS/MS. Talanta.
- 19. "In-source" fragmentation of an isobaric impurity of lamotrigine for its measurement by liquid chromatography tandem mass spectrometry after pre-concentration using solid phase extraction. Journal of Pharmaceutical and Biomedical Analysis.
- 20. Rapid assay of topiramate in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. Journal of Pharmaceutical and Biomedical Analysis.
- 21. Bioequivalence of Two Commercial Preparations of Escitalopram Oxalate/ Clonazepam Using a Liquid Chromatography-Electrospray Mass Spectrometry Method. Arzneimittel-Forschung.
- 22. Clonazepam quantification in human plasma by high-performance liquid chromatography coupled with electrospray tandem mass spectrometry in a bioequivalence study. Journal of mass spectrometry.
- 23. Sensitive quantification of clozapine and its main metabolites norclozapine and clozapine-N-oxide in serum and urine using LC-MS/MS after simple liq-uid-liquid extraction work-up. Anal Bioanal Chem.
- 24. Development and validation of a reference measurement procedure for certification of phenytoin, phenobarbital, lamotrigine, and topiramate in human serum using isotopedilution liquid chromatography/tandem mass spectrometry. Anal Bioanal Chem.
- 25. Determination of diazepam and its metabolites in human urine by liquid chromatography/tandem mass spectrometry using a hydrophilic polymer

4

column. Rapid Communications in Mass Spectrometry.

- 26. Determination of free levels of phenytoin in human plasma by liquid chromatography tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 27. Determination of Lamotrigine and its Metabolites in Human Plasma by Liquid Chromatography-Mass Spectrometry. Ther Drug Monit.
- 28. Determination of lamotrigine in human serum by high-performance liquid chromatography-tandem mass spectrometry. Neurol Sci.
- 29. Determination of olanzapine in human blood by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.
- 30. Determination of Olanzapine in Human Plasma and Serum by Liquid Chromatography Tandem Mass Spectrometry. Journal of mass spectrometry.
- 31. Determination of Paroxetine in Plasma by Liquid Chromatography Coupled to Tandem Mass Spectrometry for Pharmacokinetic and Bioequivalence Studies. Arzneimittel-Forschung.
- 32. Development and validation of a rapid LC-ESI-MS/MS method for quantification of fluoxetine and its application to MS binding assays. Anal Bioanal Chem.
- 33. Development and validation of a reference measurement procedure for certification of phenytoin, phenobarbital, lamotrigine, and topiramate in human serum using isotopedilution liquid chromatography/tandem mass spectrometry. Anal Bioanal Chem.
- 34. Development and validation of a sensitive liquid chromatography/electrospray tandem mass spectrometry assay for the quantification of olanzapine in human plasma. Journal of Pharmaceutical and Biomedical Analysis.

- Development and Validation of Liquid Chromatography/Tandem Mass Spectrometry Analysis for Therapeutic Drug Monitoring of Risperidone and 9-Hydroxyrisperidone in Pediatric Patients with Autism Spectrum Disorders. Journal of Clinical Laboratory Analysis.
- 36. Development of an UPLC-MS/MS method for routine therapeutic drug monitoring of aripiprazole, amisulpride, olanzapine, paliperidone and ziprasidone with a discussion of their therapeutic reference ranges for Chinese patients. Biomedical Chromatography.
- 37. Direct determination of diazepam and its glucuronide metabolites in human whole blood by µ Elution solid-phase extraction and liquid chromatography-tandem mass spectrometry. Forensic Science International.
- 38. Direct Plasma Analysis of Drug Compounds Using Monolithic Column Liquid Chromatography and Tandem Mass Spectrometry. Analytical Chemistry.
- 39. Dried blood spot assay for the quantification of phenytoin using Liquid Chromatography-Mass Spectrometry. Clinica Chimica Acta.
- 40. Effects of fluoxetine exposure on serotonin-related activity in the sheepshead minnow (Cyprinodon variegatus) using LC/MS/MS detection and quantitation. Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology.
- 41. Enantiomeric separation and quantification of fluoxetine (Prozac ) in human plasma by liquid chromatography/tandem mass spectrometry using liq-uid-liquid extraction in 96-well plate format. Rapid communications in mass spectrometry.
- 42. Evaluation of the sensitivity of miniaturized liquid chromatography-electrospray ionization-mass spectrometry for pharmaceutical analysis. J. Sep. Sci. .
- 43. High throughput therapeutic drug monitoring of clozapine and metabolites in serum by on-line coupling of solid phase extraction with liquid chromatog-

raphy-mass spectrometry. Journal of Chromatography B.

- 44. High-Performance Liquid Chromatography-Atmospheric Pressure Photoionization/Tandem Mass Spectrometric Analysis for Small Molecules in Plasma. Anal. Chem. .
- 45. High-Performance Liquid Chromatography-Tandem Mass Spectrometry Method for Simultaneous Quantification of Carbamazepine, Oxcarbazepine, and Their Main Metabolites in Human Serum. Ther Drug Monit.
- 46. High-throughput liquid chromatography tandem mass spectrometry method for simultaneous determination of fampridine, paroxetine, and quinidine in rat plasma: Application to in vivo perfusion study. Journal of food and drug analysis.
- 47. LC-MS-MS Analysis of the Neuroleptics Clozapine, Flupentixol, Haloperidol, Penfluridol, Thioridazine, and Zuclopenthixol in Hair Obtained from Psychiatric Patients. Journal of Analytical Toxicology.
- 48. Liquid chromatography tandem mass spectrometry method for the estimation of lamotrigine in human plasma: Application to a pharmacokinetic study. Journal of Pharmaceutical Analysis.
- 49. Liquid chromatography tandem-mass spectrometry (LC-MS/MS) and dried blood spot sampling applied to pharmacokinetics studies in animals: Correlation of classic and block design. Laboratory Animals.
- 50. liquid chromatography/tandem mass spectrometry for the determination of fluoxetine and its main active metabolite norfluoxetine in human plasma with deuterated fluoxetine as internal standard. Rapid communications in mass spectrometry.
- 51. Liquid chromatography/tandem mass spectrometry method for determination of olanzapine and N-desmethylolanzapine in human serum and cerebrospinal fluid. Journal of Pharmaceutical and Biomedical Analysis.

- 52. QbD-Driven Development and Validation of a Bioanalytical LC-MS Method for Quantification of Fluoxetine in Human Plasma. Journal of Chromatographic Science.
- 53. Simple and accurate quantitative analysis of ten antiepileptic drugs in human plasma by liquid chromatography/tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 54. Simultaneous determination of ten antiepileptic drugs in human plasma by liquid chromatography and tandem mass spectrometry with positive/negative ion-switching electrospray ionization and its application in therapeutic drug monitoring. J. Sep. Sci.
- 55. Liquid chromatography tandem mass spectrometry method for the estimation of lamotrigine in human plasma: Application to a pharmacokinetic study. Journal of Pharmaceutical Analysis.
- 56. Quantification of total and unbound concentrations of lorazepam, oxazepam and temazepam in human plasma by ultrafltration and LC-MS/MS. Bioanalysis.
- 57. Quantification of valproic acid and its metabolite 2-propyl-4-pentenoic acid in human plasma using HPLC-MS/MS. Journal of Chromatography B.
- 58. Quantitation of Cocaine and Metabolites, Phencyclidine, Butalbital and Phenobarbital in Meconium by Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology.
- 59. Quantitation of Seven Low-Dosage Antipsychotic Drugs in Human Postmortem Blood Using LC-MS-MS. Journal of Analytical Toxicology.
- 60. Quantitative determination of forty-eight antidepressants and antipsychotics in human serum by HPLC tandem mass spectrometry: A multi-level, single-sample approach. Journal of Chromatography B.

8

- 61. Quantitative determination of risperidone, paliperidone and olanzapine in human serum by liquid chromatography-tandem mass spectrometry coupled with on-line solid phase extraction. Biomedical Chromatography.
- 62. Rapid and sensitive LC-MS/MS method for quantification of lamotrigine in human plasma: application to a human pharmacokinetic study. Biomed. Chromatogr.
- Rapid and sensitive method for the determination of sertraline in human plasma using liquid chromatography-tandem mass spectrometry (LC-MS/ MS). Journal of Chromatography B.
- 64. Sensitive, automatic method for the determination of diazepam and its five metabolites in human oral fluid by online solid-phase extraction and liquid chromatography with tandem mass spectrometry. J. Sep. Sci.
- 65. Simple and Accurate Quantitative Analysis of 16 Antipsychotics and Antidepressants in Human Plasma by Ultrafast High-Performance Liquid Chromatography/Tandem Mass Spectrometry. Ther Drug Monit.
- 66. Simple and accurate quantitative analysis of ten antiepileptic drugs in human plasma by liquid chromatography/tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 67. Simple and sensitive liquid chromatography/tandem mass spectrometry method for the determination of diazepam and its major metabolites in rat cerebrospinal fluid. Rapid communications in mass spectrometry.
- 68. Simple and sensitive screening and quantitative determination of 88 psychoactive drugs and their metabolites in blood through LC-MS/MS: Application on postmortem samples. Journal of Chromatography B.
- 69. Simultaneous determination of asenapine and valproic acid in human plasma using LC-MS/MS: Application of the method to support pharmacokinetic study. Journal of Pharmaceutical Analysis.

9

- 70. Simultaneous determination of clozapine and its N-desmethyl and N-oxide metabolites in plasma by liquid chromatography/electrospray tandem mass spectrometry and its application to plasma level monitoring in schizophrenic patients. Journal of Pharmaceutical and Biomedical Analysis.
- 71. Simultaneous determination of fluoxetine and its major active metabolite norfluoxetine in human plasma by LC-MS/MS using supported liquid extraction. Biomed. Chromatogr.
- 72. Simultaneous determination of Olanzapine and Fluoxetine in human plasma by LC-MS/MS: Its pharmacokinetic application. Journal of Pharmaceutical and Biomedical Analysis.
- 73. Simultaneous determination of risperidone and 9-hydroxyrisperidone in plasma by liquid chromatography/electrospray tandem mass spectrometry. Journal of mass spectrometry.
- 74. Simultaneous determination of ten antiepileptic drugs in human plasma by liquid chromatography and tandem mass spectrometry with positive/negative ion-switching electrospray ionization and its application in therapeutic drug monitoring. J. Sep. Sci.
- 75. Simultaneous Determination of Valproic Acid and Its Major Metabolites by UHPLC-MS/MS in Chinese Patients: Application to Therapeutic Drug Monitoring. Journal of Chromatographic Science.
- 76. Therapeutic drug monitoring of Carbamazepine and its metabolite in children from dried blood spots using liquid chromatography and tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 77. Validated LC-MS/MS methods for the determination of risperidone and the enantiomers of 9-hydroxyrisperidone in human plasma and urine. Journal of Chromatography B.
- 78. Validated method for the determination of risperidone and 9-hydroxyrisperi-

done in human plasma by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.

- 79. Development of an UPLC-MS/MS method for routine therapeutic drug monitoring of aripiprazole, amisulpride, olanzapine, paliperidone and ziprasidone with a discussion of their therapeutic reference ranges for Chinese patients. Biomedical Chromatography.
- 80. 液相色谱一串联质谱法同时测定 7种抗抑郁类和5种抗精神病类药物的血药 浓度.
- 81. LC-MS/MS法快速测定全血中25种精神药物的研究.中国法医学杂志.
- 82. A study of matrix effects on an LC-MS/MS assay for olanzapine and desmethyl olanzapine. Journal of Pharmaceutical and Biomedical Analysis.
- 83. An improved simple LC-MS/MS method for the measurement of serum aripiprazole and its major metabolite. Journal of Pharmaceutical and Biomedical Analysis.
- 84. Characterization of Olanzapine (LY170053) in Human Liver Slices by Liquid Chromatography/Tandem Mass Spectrometry. Journal of mass spectrometry.
- 85. Comparison of clozapine in nail and hair of psychiatric patients determined with LC-MS/MS. Acta Pharmaceutica Sinica.
- Determination of haloperidol and its reduced metabolite in human plasma by liquid chromatography-mass spectrometry with electrospray ionization. Journal of Chromatography B.
- 87. Determination of olanzapine in human blood by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.
- 88. Determination of Olanzapine in Human Plasma and Serum by Liquid Chromatography/Tandem Mass Spectrometry. Journal of mass spectrometry.

- 89. Determination of quetiapine in human plasma by LC-MS/MS and its application in a bioequivalence study. Journal of Chromatography B.
- 90. Development and validation of a liquid chromatography-isotope dilution tandem mass spectrometry for determination of olanzapine in human plasma and its application to bioavailability study. Acta Pharmaceutica Sinica.
- 91. Development and validation of a sensitive liquid chromatography/electrospray tandem mass spectrometry assay for the quantification of olanzapine in human plasma. Journal of Pharmaceutical and Biomedical Analysis.
- 92. Development and validation of an LC-MS/MS method for the determination of quetiapine and four related metabolites in human plasma. Journal of Pharmaceutical and Biomedical Analysis.
- Development and Validation of Liquid Chromatography/Tandem Mass Spectrometry Analysis for Therapeutic Drug Monitoring of Risperidone and 9-Hydroxyrisperidone in Pediatric Patients with Autism Spectrum Disorders. Journal of Clinical Laboratory Analysis.
- 94. 'High throughput' solid-phase extraction technology and turbo ionspray LC-MS-MS applied to the determination of haloperidol in human plasma. Journal of Pharmaceutical and Biomedical Analysis.
- 95. High throughput therapeutic drug monitoring of clozapine and metabolites in serum by on-line coupling of solid phase extraction with liquid chromatography-mass spectrometry. Journal of Chromatography B.
- 96. LC-MS/MS method for the determination of the prodrug aripiprazole lauroxil and its three metabolites in plasma and its application to in vitro biotransformation and animal pharmacokinetic studies. Journal of Chromatography B.
- 97. Liquid chromatography/tandem mass spectrometry method for determination of olanzapine and N-desmethylolanzapine in human serum and cerebrospinal fluid. Journal of Pharmaceutical and Biomedical Analysis.

- 98. Liquid chromatography-tandem mass spectrometry method for simultaneous quantification of urapidil and aripiprazole in human plasma and its application to human pharmacokinetic study. Biomedical Chromatography.
- 99. Quantification of risperidone and 9-hydroxyrisperidone in plasma and saliva from adult and pediatric patients by liquid chromatography-mass spectrometry. Journal of chromatography A.
- 100. Quantitative determination of risperidone, paliperidone and olanzapine in human serum by liquid chromatography-tandem mass spectrometry coupled with on-line solid phase extraction. Biomedical Chromatography.
- 101. Sensitive liquid chromatography tandem mass spectrometry method for the quantification of Quetiapine in plasma. Biomedical Chromatography.
- 102. Sensitive quantification of clozapine and its main metabolites norclozapine and clozapine-N-oxide in serum and urine using LC-MS/MS after simple liquid-liquid extraction work-up. Anal Bioanal Chem.
- 103. Simultaneous determination of clozapine and its N-desmethyl and N-oxide metabolites in plasma by liquid chromatography/electrospray tandem mass spectrometry and its application to plasma level monitoring in schizophrenic patients. Journal of Pharmaceutical and Biomedical Analysis.
- 104. Simultaneous determination of Olanzapine and Fluoxetine in human plasma by LC-MS/MS: Its pharmacokinetic application. Journal of Pharmaceutical and Biomedical Analysis.
- 105. Simultaneous determination of risperidone and 9-hydroxyrisperidone in plasma by liquid chromatography/electrospray tandem mass spectrometry. Journal of mass spectrometry.
- 106. The development and validation of a method for quantifying olanzapine in human plasma by liquid chromatography tandem mass spectrometry and its application in a pharmacokinetic study. Clinical and Experimental Pharma-

cology and Physiology.

- 107. Turbulent flow and ternary column-switching on-line clean-up system for high-throughput quantification of risperidone and its main metabolite in plasma by LC-MS/MS Application to a bioequivalence study. Talanta.
- 108. Use of hyphenated LC-MS/MS technique for characterization of impurity profile of quetiapine during drug development. Acta Pol Pharm.
- 109. Validated LC-MS/MS methods for the determination of risperidone and the enantiomers of 9-hydroxyrisperidone in human plasma and urine. Journal of Chromatography B.
- 110. Validated method for the determination of risperidone and 9-hydroxyrisperidone in human plasma by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.

## 您的成功就是我们工作的动力 我们视为己任。

作为SCIEX的客户,您将得到世界一流的售后支持,无论在何地,我们都将是您最为可靠的伙 伴,为您解决难题,提供方案以及最大化提高工作效率。

我们的售后工程师提供全线LC/MS系统支持。无论您的离子源,自动进样器或者实际样品分析需 要帮助,您都将得到及时反馈。我们将最大努力保证仪器的正常使用,帮助您完成科研工作。

我们的应用科学家提供可靠的工作流程,帮助您简化样品制备,减少人工操作步骤。帮助您开发 方法以提高分析通量。我们也可以通过电话实现远程支持。

我们的资深专家为您量身订做适合您实验室的培训课程,提高工作效率。您可以到我们的Demo Lab参加LC/MS技术培训及应用课程,也可以通过网络 e-learning工具进行学习。

我们的售后支持团队随时为您提供最新产品信息,软件更新,分析方法及仪器维护,确保您在竞 争中独占螯头。

我们将竭尽所能为您提供高效优质的服务。



For Research Use Only. Not for use in Diagnostic Procedures.

Trademarks and/or registered trademarks mentioned herein are the property of AB Sciex Pte. Ltd., or their respective owners, in the United States and/or certain other countries. RUO-MKT-07-10509-ZH-A AB SCIEX™ is being used under license. © 2019 DH Tech. Dev. Pte. Ltd.



SCIEX中国公司 北京分公司 地址:北京市朝阳区酒仙桥中路24号院 1号楼5层 电话: 010-58081388 传真: 010-58081390

全国免费垂询电话: 800 820 3488, 400 821 3897 SCIEXNow™服务热线: 800 820 3488, 400 821 3897 服务邮箱: Service.china@sciex.com

上海公司及中国区应用支持中心 地址:上海市长宁区福泉北路518号 1座502室 电话: 021-24197200 传真: 021-24197333

广州分公司 地址:广州市天河区珠江西路15号 珠江城1907室 电话: 020-8510 0200 传真: 020-3876 0835

网址: sciex.com.cn 微博: @SCIEX