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SCIEX临床检测项目发表文章目录（第三卷）

主要内容

SCIEX 临床检测项目发表文章目录（第三卷）

脂溶性维生素

1. A sensitive LC/MS/MS assay of 25OH vitamin D3 and 25OH vitamin D2 in dried blood spots. Clinica Chimica Acta.
2. Misleading measures in Vitamin D analysis: a novel LC-MS/MS assay to account for epimers and isobars. Nutrition journal.
3. Development of a sensitive LC-MS/MS method for vitamin D metabolites: 1, 25-Dihydroxyvitamin D2&3 measurement using a novel derivatization agent. Journal of Chromatography B.
4. Analytical measurement of serum 25-OH-vitamin D3, 25-OH-vitamin D2 and their C3-epimers by LC–MS/MS in infant and pediatric specimens. Clinical biochemistry.
5. Quantitative determination of vitamin D metabolites in plasma using UH-PLC-MS/MS. Analytical and bioanalytical chemistry.
6. Variation in clinical vitamin D status by DiaSorin Liaison and LC-MS/MS in the presence of elevated 25-OH vitamin D2. Clinica chimica acta.
7. An LC/MS/MS method for stable isotope dilution studies of β -carotene bioavailability, bioconversion, and vitamin A status in humans. Journal of lipid research.
8. C-3 epimers can account for a significant proportion of total circulating 25-hydroxyvitamin D in infants, complicating accurate measurement and interpretation of vitamin D status. The Journal of Clinical Endocrinology & Metabolism.
9. Development and certification of a standard reference material for vitamin D metabolites in human serum. Analytical chemistry.

10. Increasing Liquid Chromatography–Tandem Mass Spectrometry (LC-MS/MS) Throughput by Mass Tagging: A Sample-Multiplexed High-Throughput Assay for 25-Hydroxyvitamin D2 and D3. Clinical chemistry.

11. Liquid chromatography–tandem mass spectrometric method for the determination of salivary 25-hydroxyvitamin D3: a noninvasive tool for the assessment of vitamin D status. Analytical and bioanalytical chemistry.

12. Rapid analysis of 25-hydroxyvitamin D2 and D3 by liquid chromatography–tandem mass spectrometry and association of vitamin d and parathyroid hormone concentrations in healthy adults. American journal of clinical pathology.

13. Quantification of fat-soluble vitamins in human breast milk by liquid chromatography–tandem mass spectrometry. Journal of Chromatography B.

14. A cross-sectional study of vitamin D and insulin resistance in children. Archives of disease in childhood.

15. Evaluation of automated immunoassays for 25 (OH)-vitamin D determination in different critical populations before and after standardization of the assays. Clinica Chimica Acta.

16. Method for simultaneous analysis of eight analogues of vitamin D using liquid chromatography tandem mass spectrometry. Chemistry Central Journal.

17. Routine isotope-dilution liquid chromatography–tandem mass spectrometry assay for simultaneous measurement of the 25-hydroxy metabolites of vitamins D2 and D3. Clinical chemistry.

18. Development of a Method for the Quantification of 1 α, 25 (OH) 2–Vitamin D3 in Serum by Liquid Chromatography Tandem Mass Spectrometry without Derivatization. European Journal of Mass Spectrometry.

19. Determination of 25-hydroxyvitamin D in human plasma using high-per-

formance liquid chromatography tandem mass spectrometry. Analytical chemistry.

20. A simple micro-extraction plate assay for automated LC - MS/MS analysis of human serum 25-hydroxyvitamin D levels. Journal of Mass Spectrometry.

21. Dietary, lifestyle, and genetic determinants of vitamin D status: a cross-sectional analysis from the European Prospective Investigation into Cancer and Nutrition (EPIC)-Germany study. European journal of nutrition.

22. A simple, sensitive, and high-throughput LC-APCI-MS/MS method for simultaneous determination of vitamin K1, vitamin K1 2, 3-epoxide in human plasma and its application to a clinical pharmacodynamic study of warfarin. Journal of pharmaceutical and biomedical analysis.

23. Analytical bias in the measurement of serum 25-hydroxyvitamin D concentrations impairs assessment of vitamin D status in clinical and research settings. PloS one.

24. Development and optimization of simplified LC–MS/MS quantification of 25-hydroxyvitamin D using protein precipitation combined with on-line solid phase extraction (SPE). Journal of Chromatography B.

25. High-throughput liquid–liquid extraction and LCMSMS assay for determination of circulating 25 (OH) vitamin D3 and D2 in the routine clinical laboratory. Clinica Chimica Acta.

26. Development of a candidate reference measurement procedure for the determination of 25-hydroxyvitamin D3 and 25-hydroxyvitamin D2 in human serum using isotope-dilution liquid chromatography tandem mass spectrometry. Analytical chemistry.

27. Development and validation of an LC–MS/MS based method for quantification of 25 hydroxyvitamin D2 and 25 hydroxyvitamin D3 in human serum and plasma. Journal of Chromatography B.

28. Determination of vitamins A, D and E in a small volume of human plasma by a high‐throughput method based on liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry.

29. A simple and precise LC-MS/MS method for the simultaneous determination of serum 25-hydroxyvitamin D3 and D2 without interference from the C3 epimer. Analytical Methods.

30. Four years of LC–MS/MS method for quantification of 25-hydroxyvitamin D (D2 + D3) for clinical practice. Journal of Chromatography B.

31. Differential extraction of endogenous and exogenous 25-OH-vitamin D from serum makes the accurate quantification in liquid chromatography-tandem mass spectrometry assays challenging. Annals of clinical biochemistry.

32. Triple quadrupole versus high resolution quadrupole-time-of-flight mass spectrometry for quantitative LC-MS/MS analysis of 25-hydroxyvitamin D in human serum. Journal of The American Society for Mass Spectrometry.

33. Multianalyte quantification of vitamin B6 and B2 species in the nanomolar range in human plasma by liquid chromatography–tandem mass spectrometry. Clinical Chemistry.

34. Method for the determination of vitamin K homologues in human plasma using high-performance liquid chromatography-tandem mass spectrometry. Analytical chemistry.

35. Determination of the vitamin D analog EB 1089 (seocalcitol) in human and pig serum using liquid chromatography–tandem mass spectrometry. Journal of Chromatography B: Biomedical Sciences and Applications.

36. Menadione (vitamin K3) is a catabolic product of oral phylloquinone (vitamin K1) in the intestine and a circulating precursor of tissue menaquinone-4 (vitamin K2) in rats. Journal of Biological Chemistry.

37. Quantitative determination of plasma vitamin K1 by high-performance liquid chromatography coupled to isotope dilution tandem mass spectrometry. Analytical biochemistry.

38. Variation in clinical vitamin D status by DiaSorin Liaison and LC-MS/MS in the presence of elevated 25-OH vitamin D2. Clinica chimica acta.

39. The 25-hydroxyvitamin D3 C-3 epimer: distribution, correlates, and reclassification of 25-hydroxyvitamin D status in the population-based Atherosclerosis Risk in Communities Study (ARIC). Clinica chimica acta.

40. Quantification of the 3 α and 3 β epimers of 25-hydroxyvitamin D3 in dried blood spots by LC-MS/MS using artificial whole blood calibration and chemical derivatization. Talanta.

41. Agreement of seven 25-hydroxy vitamin D3 immunoassays and three high performance liquid chromatography methods with liquid chromatography tandem mass spectrometry. Clinical chemistry and laboratory medicine.

42. Performance evaluation of Siemens ADVIA centaur and Roche MODULAR analytics E170 total 25-OH vitamin D assays. Clinical biochemistry.

43. Serum C3 epimer of 25-hydroxyvitamin D and its determinants in adults: a national health examination survey in Thais. Osteoporosis International.

44. Candidate reference measurement procedure for the determination of (24 R), 25-dihydroxyvitamin D3 in human serum using isotope-dilution liquid chromatography–tandem mass spectrometry. Analytical chemistry.

45. Chromatographic separation of PTAD-derivatized 25-hydroxyvitamin D3 and its C-3 epimer from human serum and murine skin. Journal of Chromatography B.

46. Minimizing matrix effects for the accurate quantification of 25-hydroxyvitamin D metabolites in dried blood spots by LC-MS/MS. Clinical chemistry.

47. A comparison between two different automated total 25-hydroxyvitamin D immunoassay methods using liquid chromatography-tandem mass spectrometry. Biochemia medica.

48. Comparison of two 25-hydroxyvitamin D immunoassays to liquid chromatography–tandem mass spectrometry in assessing samples from the Chinese population. Clinica Chimica Acta.

49. Establishing an accuracy basis for the vitamin D external quality assessment scheme (DEQAS). Journal of AOAC International.

50. Validation and comparison of a rapid liquid chromatography tandem mass spectrometry method for serum 25OHD with the efficiency of separating 3-epi 25OHD3. Clinical biochemistry.

51. Vitamin D status after a high dose of cholecalciferol in healthy and burn subjects. Burns.

52. Development of an improved standard reference material for vitamin D metabolites in human serum. Analytical chemistry.

53. A fast and simple method for simultaneous measurements of 25 (OH) D, 24, 25 (OH) 2D and the vitamin D metabolite ratio (VMR) in serum samples by LC-MS/MS. Clinica Chimica Acta.

54. Combined measurement of 6 fat-soluble vitamins and 26 water-soluble functional vitamin markers and amino acids in 50 μ L of serum or plasma by high-throughput mass spectrometry. Analytical chemistry.

55. Quality assessment of vitamin D metabolite assays used by clinical and research laboratories. The Journal of steroid biochemistry and molecular biology.

56. Comparison of the effect of daily versus bolus dose maternal vitamin D3 supplementation on the 24, 25-dihydroxyvitamin D3 to 25-hydroxyvitamin D3 ratio. Bone.

57. Conversion of Phylloquinone (Vitamin K1) into Menaquinone-4 (Vitamin K2) in Mice two possible routes for menaquinone-4 accumulation in cerebra of mice. Journal of Biological Chemistry.

58. Cytochrome P450-dependent catabolism of vitamin K: ω-hydroxylation catalyzed by human CYP4F2 and CYP4F11. Biochemistry.

59. Influence of CYP4F2 polymorphisms and plasma vitamin K levels on warfarin sensitivity in Japanese pediatric patients. Drug metabolism and pharmacokinetics.

60. Liquid chromatography–tandem mass spectrometry method for the determination of vitamin K homologues in human milk after overnight cold saponification. Journal of Food Composition and Analysis.

61. The ratio of serum 24, 25-dihydroxyvitamin D3 to 25-hydroxyvitamin D3 is predictive of 25-hydroxyvitamin D3 response to vitamin D3 supplementation. The Journal of steroid biochemistry and molecular biology.

62. A new quantitative LC tandem mass spectrometry assay for serum 25-hydroxy vitamin D. Steroids.

63. The high prevalence of hypovitaminosis D in China: a multicenter vitamin D status survey. Medicine.

64. Disulfide-dependent Protein Folding Is Linked to Operation of the Vitamin K Cycle in the Endoplasmic Reticulum a protein disulfide isomerase-VKORC1 redox enzyme complex appears to be responsible for vitamin K1 2, 3-epoxide reduction. Journal of Biological Chemistry.

65. Determination of 1,25-dihydroxyvitamin D2 and 1,25-dihydroxyvitamin D3 in human serum using liquid chromatography with tandem mass spectrometry. Journal of Chromatography B.

水溶性维生素

1. Simultaneous determination of water - soluble vitamins in selected food matrices by liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry.

2. Inhibition of heterocyclic amine formation by water-soluble vitamins in Maillard reaction model systems and beef patties. Food Chemistry.

3. Simultaneous quantification of 21 water soluble vitamin circulating forms in human plasma by liquid chromatography-mass spectrometry. Journal of Chromatography A.

4. Quantitative profiling of biomarkers related to B-vitamin status, tryptophan metabolism and inflammation in human plasma by liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry.

5. A rapid and sensitive LC-MS/MS method for determination of coenzyme Q 10, in tobacco (Nicotiana tabacum, L.) leaves. Journal of separation science.

6. Mitochondrial Coenzyme Q10 Determination by Isotope-Dilution Liquid Chromatography–Tandem Mass Spectrometry. Clinical Chemistry.

7. Quantitation of Ubiquinone (Coenzyme Q10) in Serum/Plasma Using Liquid Chromatography Electrospray Tandem Mass Spectrometry (ESI-LC-MS/MS). Methods in Molecular Biology.

8. Quantification of the Reduced Form of Coenzyme Q10, Ubiquinol, in Dietary Supplements with HPLC-ESI-MS/MS. Food Analytical Methods.

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