SCIEX临床检测项目发表文章目录
（第三卷）
主要内容

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脂溶性维生素


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.


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.


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.


19. Determination of 25-hydroxyvitamin D in human plasma using high-per-
formance liquid chromatography tandem mass spectrometry. Analytical chemistry.


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.


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.


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


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.

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.


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


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


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.


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


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 μL 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.

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.


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.

水溶性维生素


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


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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