

Title (en)

METHOD AND DETECTION DEVICE FOR DETERMINING URIC ACID AND CREATININE CONTENT

Title (de)

VERFAHREN UND NACHWEISVORRICHTUNG ZUR BESTIMMUNG DES HARNSÄURE- UND KREATININ-GEHALTS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DOSAGE POUR DÉTERMINER LE TAUX D'ACIDE URIQUE ET DE CRÉATININE

Publication

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Application

EP 12714642 A 20120404

Priority

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Abstract (en)

[origin: WO2012152514A1] The invention relates to a method for photometrically determining the uric acid and creatinine content of a liquid, particularly of a dialysate as a control variable in a haemodialysis treatment. The liquid is irradiated with UV radiation at three wavelengths in the range between 235 nm and 300 nm, and the radiation absorption in said liquid is measured at these predetermined wavelengths, a first of which lies in a sub-range between 235 nm and 250 nm, a second lying in a second sub-range between 255 nm and 270 nm, and a third lying in a third sub-range between 280 nm and 300 nm. The uric acid and creatinine contents, and optionally the content of a third component, are calculated from the results of this measurement.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2012152514A1

Citation (examination)

JANA JEROTSKAJA ET AL: "Optical dialysis adequacy sensor: wavelength dependence of the ultra violet absorbance in the spent dialysate to the removed solutes", THE EFFECT OF APPLIED COMPRESSIVE LOADING ON TISSUE-ENGINEERED CARTILAGE CONSTRUCTS CULTURED WITH TGF-BETA3., 1 August 2007 (2007-08-01), pages 2960 - 2963, XP055326569, ISSN: 1557-170X, DOI: 10.1109/IEMBS.2007.4352950

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