

Title (en)

USE OF FLUORESCENCE FOR THE QUICK AND EASY DETERMINATION OF S-ADENOSYLMETHIONINE, S-ADENOSYLHOMOCYSTEINE AND HOMOCYSTEINE

Title (de)

VERWENDUNG VON FLUORESZENZ ZUR SCHNELLEN UND LEICHTEN BESTIMMUNG VON S-ADENOSYLMETHIONIN, S-ADENOSYLHOMOCYSTEIN HOMOCYSTEIN

Title (fr)

UTILISATION DE LA FLUORESCENCE POUR LA DÉTERMINATION RAPIDE ET FACILE DE LA S-ADÉNOSYLMÉTHIONINE, DE LA S-ADÉNOSYLHOMOCYSTÉINE ET DE L'HOMOCYSTÉINE

Publication

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Application

EP 16800682 A 20160525

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Abstract (en)

[origin: CN108291908A] The invention provides immunochromatographic test strips and methods for detecting and quantifying SAM, S-Adenosylhomocysteine (SAH) and Homocysteine (HCy) in a sample, comprising: (a) making fluorophore conjugated antibodies; (b) immobilizing SAM, SAH and HCy on a solid support; (c) providing a sample, combining said sample with a conjugate selected from the group consisting of lanthanide chelateconjugates and quantum dot conjugates (QD) with anti-SAM, anti-SAH or anti-HCy, wherein said combining is performed under conditions that allow formation of a competitive complex comprising said conjugate, said SAM, SAH or HCy on the solid support and SAM, SAH or HCy in a sample when present; and (d) detecting the presence of the complex, if present, by monitoring a spectral emission mediated by the fluorescent conjugates in the complex, wherein the emission indicates the presence and quantity of SAM, SAH or HCy in the sample.

IPC 8 full level

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Citation (search report)

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 - See references of WO 2016191507A1

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