

Title (en)

TESTS FOR THE RAPID EVALUATION OF ISCHEMIC STATES AND KITS

Title (de)

TEST ZUR SCHNELLEN BESTIMMUNG VON ISCHÄMISCHEN ZUSTÄNDEN UND TESTSATZ DAFÜR

Title (fr)

EPREUVES PERMETTANT UNE EVALUATION RAPIDE D'ETATS ISCHEMIQUES ET NECESSAIRES A CET EFFET

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Application

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Abstract (en)

[origin: CA2344762A1] The present invention relates to rapid methods for the detection of ischemic states and to kits for use in such methods. Provided for is a rapid method of testing for and quantifying ischemia based upon methods of detecting and quantifying the existence of an alteration of the serum protein albumin which occurs following an ischemic event; methods for detecting and quantifying this alteration include evaluating and quantifying the cobalt binding capacity of circulating albumin, analysis and measurement of the ability of serum albumin to bind exogenous cobalt, detection and measurement of the presence of endogenous copper in a purified albumin sample and use of an immunological assay specific to the altered form of serum albumin which occurs following an ischemic event. Also taught by the present invention is the detection and measurement of an ischemic event by measuring albumin N-terminal derivatives that arise following an ischemic event, including truncated albumin species lacking one to four N-terminal amino acids or albumin with an acetylated N-terminal Asp residue.

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