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[54] **METHOD OF MEASURING THE TOTAL KETONE BODY AND A SAMPLE REAGENT**

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[30] **Foreign Application Priority Data**

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[58] Field of Search **435/26, 25, 14, 435/4, 148, 975; 436/130, 128, 127, 14, 63, 74, 43**

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[57] **ABSTRACT**

A method of measuring the total ketone body in a sample comprising converting acetoacetic acid in the sample to 3-hydroxybutyric acid in advance and subsequently converting the whole 3-hydroxybutyric acid including 3-hydroxybutyric acid existing in the sample originally to acetoacetic acid to lead the reduction of nicotinamide adenine dinucleotide according to the action of 3-hydroxybutyrate dehydrogenase and a sample reagent thereof is disclosed. According to this invention an assay of the total ketone body in samples can be carried out conveniently, highly precisely and quickly.

6 Claims, 5 Drawing Sheets

CALIBRATION CURVE OF ACETOACETIC ACID

