

United States Patent [19]

Marui et al.

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[54] **METHOD OF TERMINATING ISOCITRATE DEHYDROGENASE REACTION IN AN ANALYTICAL SYSTEM**

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[51] Int. Cl.⁴ **C12Q 1/32**

[52] U.S. Cl. **435/26; 435/12**

[58] Field of Search 435/26

[56] **References Cited**

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[57] **ABSTRACT**

Urea, creatinine, creatine, triglycerides, or the like in a specimen can be accurately determined by terminating an isocitrate dehydrogenase reaction by addition of ATP and/or a chelating agent in a system wherein NAD⁺ formed from NADH is reproduced into NADH in the conjoint presence of an isocitrate, metallic ions such as magnesium or manganese ions, and isocitrate dehydrogenase in assaying a substance by means of a reaction of NADH to NAD⁺.

2 Claims, 1 Drawing Sheet