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(54) Method for detecting low density lipoprotein (LDL) or denatured low density lipoprotein in blood

(57) A novel method for detecting LDL and denatured LDL (particularly, oxidized LDL) having a significant concerning with the onset and progress of arteriosclerosis and Alzheimer's disease is provided, wherein a complex of denatured low density lipoprotein

(particularly, oxidized LDL) with an acute phase reactant, blood coagulation • fibrinolytic related protein or disinfectant substance produced by macrophage is used as a measuring subject.

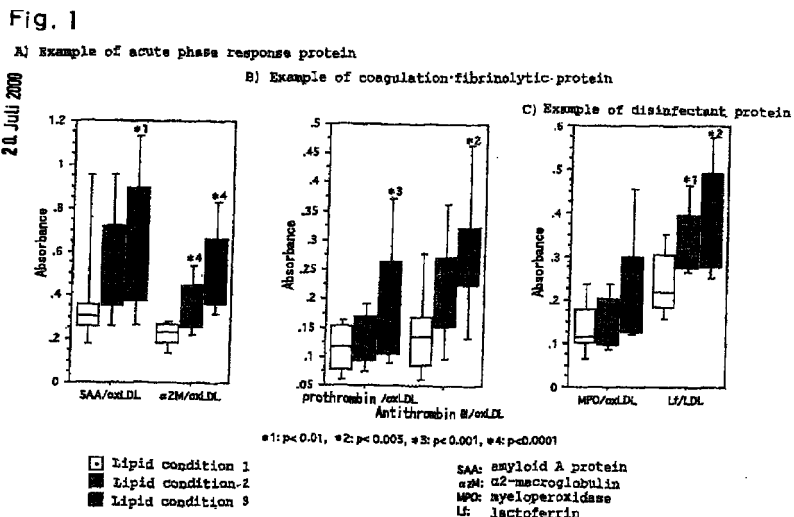


Fig. 1 Comparison of concentrations of complexes of LDL or denatured LDL with acute phase response protein (A), coagulation-fibrinolytic system protein (B) and disinfectant protein (C), among three groups different in blood lipid concentration

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	<p>DATABASE WPI Section Ch, Week 9832 Derwent Publications Ltd., London, GB; Class B04, AN 1998-366350 XP002163470 & JP 10 142226 A (KOBE IKAGAKU), 29 May 1998 (1998-05-29) * abstract *</p>	1,2,5	G01N33/92 C07K16/18
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X	<p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1986 CHULKOVA T M: "EFFECT OF THE THROMBIN-INDUCED MODIFICATION OF LOW DENSITY LIPOPROTEINS ON THEIR INTERACTION WITH FIBRONECTIN" Database accession no. PREV198784084500 XP002163469 * abstract * & VOPROSY MEDITSINSKOI KHIMII, vol. 32, no. 6, 1986, pages 70-73, ISSN: 0042-8809</p>	1,3	G01N C07K
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	21 March 2001	Griffith, G	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 11 4984

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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21-03-2001

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	检测血液中低密度脂蛋白 (LDL) 或变性低密度脂蛋白的方法		
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其他公开文献	EP1070962A2		
外部链接	Espacenet		

摘要(译)

本发明提供了一种检测LDL和变性LDL (特别是氧化LDL) 的新方法, 该方法对动脉硬化和阿尔茨海默病的发病和进展具有重要意义, 其中变性低密度脂蛋白 (特别是氧化LDL) 与急性期的复合物。反应物, 血液凝固-纤维蛋白溶解相关蛋白或由巨噬细胞产生的消毒物质用作测量对象。

Fig. 1

