

Title (en)  
METHOD OF DETERMINING HYPOXIA

Title (de)  
VERFAHREN ZUR BESTIMMUNG VON HYPOXIE

Title (fr)  
PROCÉDÉ DE DÉTERMINATION D'UNE HYPOXIE

Publication  
**EP 2396419 A4 20120926 (EN)**

Application  
**EP 09729478 A 20090423**

Priority  
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Abstract (en)  
[origin: WO2009126110A1] A method of determining tissue hypoxia in e.g. the liver, aorta or gastrointestinal tract prior to surgery or transplantation, or in fetal scalp blood sampled during labour, comprises the determination of total lactate dehydrogenase (LDH) in plasma obtained from the sample. The method can comprise the additional determination of K, Mg, Ca, AST, ALT, lactate in the plasma and/or blood. Increased values of one or more of LDH, Mg, Ca, AST, ALT, lactate are indicative of hypoxia in the fetus. Also disclosed is the use of a plasma separation apparatus in the method.

IPC 8 full level  
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CPC (source: EP)  
**C12Q 1/32** (2013.01); **G01N 33/573** (2013.01); **G01N 2333/904** (2013.01)

Citation (search report)  
• [XPI] LUKACOVA SLAVKA ET AL: "The impact of hypoxia on the activity of lactate dehydrogenase in two different pre-clinical tumour models.", 2008, ACTA ONCOLOGICA (STOCKHOLM, SWEDEN) 2008 LNKD- PUBMED:17906983, VOL. 47, NR. 5, PAGE(S) 941 - 947, ISSN: 1651-226X, XP002681536  
• See references of WO 2009126110A1

Citation (examination)  
• SHERIDAN W G ET AL: "Tissue oxygen tension as a predictor of colonic anastomotic healing.", DISEASES OF THE COLON AND RECTUM NOV 1987, vol. 30, no. 11, November 1987 (1987-11-01), pages 867 - 871, XP009185448, ISSN: 0012-3706  
• A J SHANDALL ET AL: "Colonic anastomotic healing and oxygen tension A", BRITISH JOURNAL OF SURGERY, vol. 72, 1 August 1985 (1985-08-01), pages 606 - 609, XP055203277

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DOCDB simple family (publication)  
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