

Title (en)
QUANTITATIVE ANALYSIS OF GENE EXPRESSION

Title (de)
QUANTITATIVE ANALYSE DER GENEXPRESSION

Title (fr)
ANALYSE QUANTITATIVE D'EXPRESSION DE GENE

Publication
EP 1071824 A2 20010131 (EN)

Application
EP 99921467 A 19990423

Priority
• US 9908968 W 19990423
• US 6567398 A 19980423

Abstract (en)
[origin: WO9954510A2] A method is provided for determining the level of expression of a gene of interest, or panel of genes of interest, in a biological sample. The method involves preparing a standard curve for each gene of interest by assaying a dilution series prepared from a total RNA in a reverse transcriptase-5'-exonuclease PCR amplification assay. A threshold cycle (Ct) for each member of the reverse transcribed-amplified is determined and plotted versus the log of the amount of total RNA in dilution series. The plot is used to determine an RNA equivalent from which the normalized RNA equivalent for the gene of interest in the sample is determined. The assay can be used to determine the effect of a treatment of the sample on the level of expression of a gene or interest or panel of genes of interest.

IPC 1-7
C12Q 1/68

IPC 8 full level
C12N 15/09 (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/686** (2018.01)

CPC (source: EP KR)
C12Q 1/68 (2013.01 - KR); **C12Q 1/686** (2013.01 - EP)

Citation (search report)
See references of WO 9954510A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9954510 A2 19991028; WO 9954510 A3 20000127; AU 3867199 A 19991108; CA 2325343 A1 19991028; EP 1071824 A2 20010131; IL 138851 A0 20011031; JP 2002512046 A 20020423; KR 20010034814 A 20010425

DOCDB simple family (application)
US 9908968 W 19990423; AU 3867199 A 19990423; CA 2325343 A 19990423; EP 99921467 A 19990423; IL 13885199 A 19990423; JP 2000544838 A 19990423; KR 20007011723 A 20001021