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(54) Title (EN): METHOD AND APPARATUS FOR CORRELATION ANALYSIS OF ELECTROPHORETIC PROTEIN PATTERNS

(54) Title (FR): SYSTEME DE DETERMINATION DE CORRELATION

(57) Abstract:

(EN): A method of obtaining clinical information about a cancer patient by analysing p53 in a sample taken from said patient. It comprises the steps of: a) providing an electrophoresis gel image containing spatially resolved data indicative of the concentration of one or more p53 isoforms in said sample; b) providing a set of previously acquired correlation data that represents the correlation between a plurality of pixels in the type of image in step a) and the clinical information of interest; and c) using the correlation data to obtain said clinical information from the image. The invention also enables such correlation data to be used to predict a value for a clinical parameter from a gel image.

(FR): L'invention concerne un procédé d'obtention d'informations cliniques concernant un patient cancéreux par analyse du gène p53 dans un échantillon prélevé sur ledit patient. Le procédé comprend les étapes consistant à : a) mettre à disposition une image d'un gel d'électrophorèse contenant des données à résolution spatiale représentant la concentration d'une ou de plusieurs isoformes du gène p53 dans ledit échantillon; b) mettre à disposition un groupe de données de corrélation préalablement acquises représentant la corrélation entre une pluralité de pixels dans le type d'image créée à l'étape a) et les informations cliniques d'intérêt; et c) utiliser les données de corrélation pour obtenir lesdites informations cliniques à partir de l'image. L'invention permet également d'utiliser ces données de corrélation pour prévoir la valeur d'un paramètre clinique à partir d'une image du gel.

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