

Title (en)
METHOD FOR DETERMINING THE TUMORAL OR NON-TUMORAL NATURE, OR THE TUMOR TYPE, OF A SOLID HUMAN OR ANIMAL ORGAN FRAGMENT

Title (de)
VERFAHREN ZUR BESTIMMUNG VON TUMORALER ODER NICHTTUMORALER NATUR ODER DES TUMORTYPS EINES FESTEN MENSCHLICHEN ODER TIERISCHEN ORGANFRAGMENTS

Title (fr)
METHODE DE DETERMINATION DE LA NATURE TUMORALE OU NON TUMORALE OU DU TYPE DE TUMEUR D'UN FRAGMENT D'ORGANE SOLIDE HUMAIN OU ANIMAL

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Abstract (en)
[origin: WO2013150204A1] The present invention relates to a method for determining the tumoral or non-tumoral nature, or the tumor and/or cancer type, of a solid human or animal organ fragment of a given person or animal by analyzing the MALDI-TOF mass spectrometry spectrum or spectra. Said method is characterized in that the following consecutive steps are carried out, consisting of: 1) preparing a first sample of a uniform suspension of the homogenate of said fragment, said suspension containing a mixture of different types of unlysed whole cells; 2) creating at least one spectrum of at least one so-called first sample, and analyzing said spectrum by means of comparison with at least one reference profile, said reference profile being made up of at least one list of reference peak(s) for a spectrum or spectra set up on reference fragments known to be tumoral or non-tumoral, or if tumoral, known to belong to a so-called tumor or cancer class or sub-class; and 3) determining whether or not said tissue fragment from said first sample is tumoral or non-tumoral, or belongs to a so-called tumor or cancer class or sub-class, according to the presence or absence of said reference peaks and/or according to the value of the area of said reference peak(s) in the spectrum of said sample.

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