

Title (en)

METHODS FOR DETERMINING CANCER

Title (de)

VERFAHREN ZUR BESTIMMUNG VON KREBS

Title (fr)

PROCÉDÉS POUR DÉTERMINER LE TYPE DE CANCER

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Application

EP 22701188 A 20220113

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Abstract (en)

[origin: WO2022152784A1] Subject of the invention is a method for determining which type of cancer an individual has and/or if the individual has cancer or not, comprising (a) providing a sample from the individual, which is a body liquid or fraction thereof, (b) defining a group of cancer types, which comprise at least two from the group of bladder, brain, breast, colorectal, lung, ovarian, pancreas, prostate and stomach cancer, (c) determining the levels of markers in the sample, wherein the markers comprise (i) at least one single nucleotide variant (SNV), (ii) at least one microRNA (miRNA), and (iii) at least one DNA methylation, wherein the markers comprise (a1) at least 2 markers selected from AR H875Y, TP53 (COSM10758), MLH1_meth and hsa_miR_17_5p, and (b1) at least 2 markers selected from APC (COSM18561), hsa_miR_133a_3p, hsa_miR_148b_3p, hsa_miR_29c_3p, hsa_miR_20a_5p, hsa_miR_92a_3p, hsa_miR_155_5p, hsa_miR_195_5p, hsa_miR_101_3p, hsa_miR_27a_3p, hsa_miR_26a_5p and hsa_miR_21_5p, (d) comparing the levels to a known standard, and (e) determining, based on the result of step (d), which type of cancer from the group defined in step (b) the individual has and/or if the individual has cancer or not. Subject of the invention is also the use of the single nucleotide variant AR H875Y as a marker for determining from a body liquid or fraction thereof which type of cancer an individual has, wherein the type of cancer is selected from bladder, colorectal, lung, stomach, ovarian or brain cancer.

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