

Personal Genomics offers 3 types of tests:

Personal Liquid Biopsy

Personal Cancer Check DNA

Personal Cancer Check RNA

How are the tests performed?

The test is performed starting with a **liquid biopsy** from a simple blood sample, or **from a biopsy** taken from different types of **tumour tissue**: fresh, frozen, formalin-fixed paraffin-embedded (FFPE) or from fine needle aspiration (FNA). The analysis is conducted on nucleic acids extracted from the sample, possibly back-transcribed, amplified and sequenced using **next generation techniques (NGS)**. The data obtained are assessed using a complex bioinformatic analysis to detect the presence of **possible gene mutations**.

What do the tests detect?

Personal Liquid Biopsy and Personal Cancer Check DNA: these allow mutational hotspot regions to be identified in the 16 tumour-specific genes most involved in tumour genesis.

Personal Cancer Check RNA: this detects the presence of fusion genes in tumour tissue of specific RNA transcribed from 10 tumour-specific genes.

Your solution provider in the world of genomics



CLINICAL DIAGNOSTICS GENETIC TESTS FOR SOLID TUMOURS

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Positive result

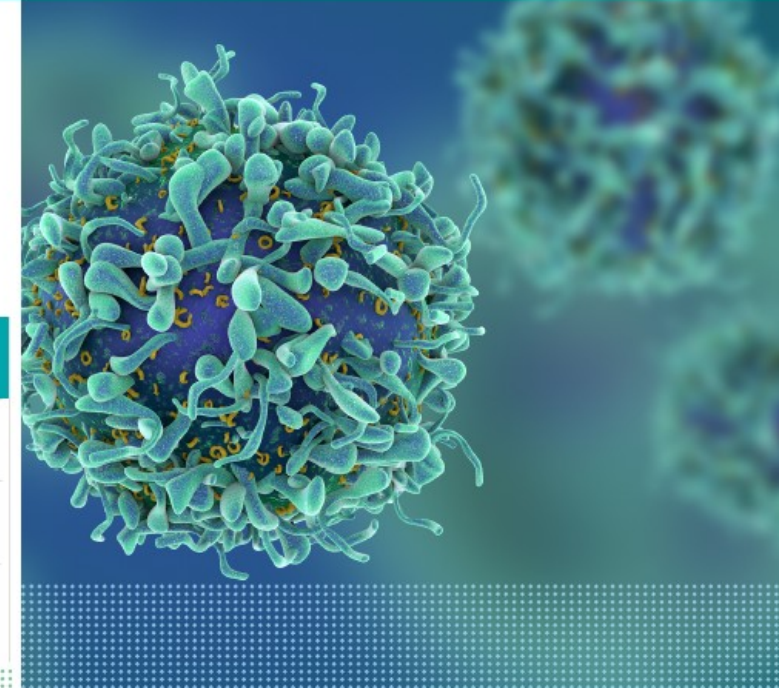
The presence of one or more pathogenic variants was identified in at least one of the regions of the genes examined.



Negative result

No pathogenic variant was found in any region of the genes tested

WITH MEDICAL REFERRAL	Number of Repetitions	Number of Prescriptions	Codes for Each
PERSONAL LIQUID BIOPSY	91.30.3*16	2	8
PERSONAL CANCER CHECK DNA	91.30.3*16	2	8
PERSONAL CANCER CHECK RNA	91.36.5*1 + 91.30.3*10	2	8 and 3



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SOLGROUP
a breath of life

All tests are certified



Personal Cancer Check

We offer genetic testing for oncology diagnosis, prognosis assessment and increasingly customised therapy.

Why take the test?

The increase in incidence and mortality linked to the different tumour types shows the need to develop **new methods** that allow the **molecular profile of tumours** to be analysed in depth. The test provides information on numerous gene regions with a simultaneous analysis of a single sample, providing **important information on the genetic heterogeneity of the tumour**. With a **liquid biopsy**, the evolution of the **tumour can be assessed over time**.



Who are they for?

These genetic tests are designed for doctors and their patients, specifically:

Personal Cancer Check DNA: indicated to characterise the molecular profile of tumour DNA, support diagnosis, contribute towards the prognosis assessment, and provide guidance when choosing the most appropriate treatment for the patient.

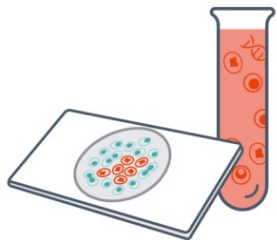
Personal Liquid Biopsy: indicated to monitor tumour recurrence, which is an excellent follow-up parameter to identify a diagnosis even before there is clinical evidence. This is a useful tool for patients with a family history of cancer related to mutations in the genes under investigation.

Personal Cancer Check RNA: indicated to determine the presence of fusion genes in tumour tissue to support diagnosis, contribute towards the prognosis assessment, and provide guidance for the patient when choosing the most appropriate treatment.

Reliability
>99% Analytical sensitivity and specificity >99%

Reporting Time
10 - 15 days The report will be produced in 10-15 working days

Biopsy Liquid or Tissue



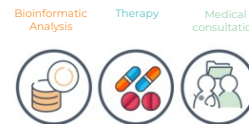
The test is performed starting from a blood sample (liquid biopsy) or from tumour tissue (tissue biopsy).

Amplification and Next Generation Sequencing (NGS)



The tumour's nucleic acids are isolated from the sample and analysed using PCR amplification and *Next Generation Sequencing* (NGS).

Data Analysis



Mutated gene sequences are evaluated using bioinformatic analysis.

Personal Genomics Report



Our team of experts will draw up a comprehensive tumour profile report, which will be delivered in 10 - 15 working days.