

# Canine CGS (Cancer Gene Sequencing) Test

This is a molecular diagnostic test that examines sequences of cancer-related genes in surgically resected tumor tissue. By analyzing the mutation of a specific gene, the molecular characteristics of a patient's cancer cells can be identified and used as the basis for selection of prospective anticancer drugs.

## Test Process

Sample request

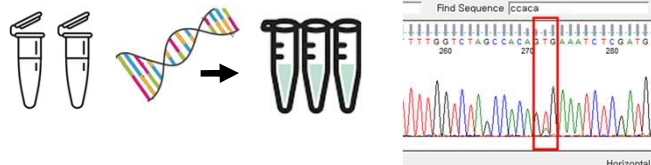
DNA extraction/ PCR-Sequencing

Result report

Tumor tissue  
(surgery, biopsy)  
Peripheral blood



DNA extraction → PCR direct Sanger sequencing



KIT, BRAF, KRAS, HER2, EGFR, PIK3CA



tissue (Tumor: Collected by surgery or biopsy)  
Blood: 1 ml of whole blood in an EDTA tube

Test results can be used to identify the molecular characteristics of a patient's cancer cells and to determine prospective anticancer drugs. The test results can only be used for clinical purposes.



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