



Learn more about our groundbreaking tests and their potential to transform cancer screening, follow-up and monitoring at [rgcc-international.com](http://rgcc-international.com).



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**Shaping the cancer care paradigm**

At RGCC, we strongly believe that personalized medicine is the future of cancer treatment. To improve the chances of successful treatment and survival, RGCC services help you to make informed decisions and formulate effective treatment plans.

Our team of scientists and medical experts conducts precise and reliable genetic tests to study cancer cells at all levels, as well as new therapeutic approaches.

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[rgccsea.com](http://rgccsea.com)



**Your genetic blueprint to escape cancer**



**aCGH test**



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## aCGH

Array Comparative Genomic Hybridization (aCGH) test, a microarray-based technique and the most precise tool available today that helps to detect, the unbalanced structural and numerical chromosomal abnormalities that exist on cancer cells. The test is particularly helpful when a patient may be diagnosed with a cancer of unknown origin. In such cases, aCGH helps point the doctor in the right direction by identifying chromosomal abnormalities associated with specific types of cancer.

### How does aCGH work?

- ✓ The aCGH is used to identify chromosomal abnormalities in a patient that could lead to cancer.
- ✓ It analyzes the differences between a patient's DNA and the reference control DNA and provides unique and personalized chromosomal analysis results.
- ✓ The process involves isolating circulating tumor cells (CTCs) from blood, extracting their DNA, and analyzing genetic characteristics through a microarray-based technique.



aCGH

looks for → Chromosomal abnormalities

helps → Clinicians to identify the origin of the primary tumor

### How does aCGH help?

- ✓ The test result provides experts with a clear understanding of the patient's genomes.
- ✓ It helps in the detection of the primary origin of the tumor.
- ✓ It can be a powerful tool in the fight against cancer.



Precise treatment for your unique cancer profile

### Why choose the aCGH test?

aCGH is a specific molecular cytogenetic method for screening the genome and identifying any abnormalities which might be associated with cancer.



With the detection of abnormalities in the chromosomes, aCGH enables us to identify the primary origin of the tumor.



It enables precise and fast detection of abnormalities in the entire genome sequence with very high resolution.



It provides clinicians with personalized chromosomal analysis for their patients' unique cancer journey.



### Test details



#### Sample type

Whole peripheral blood sample



#### Sample size

10-15ml of whole peripheral blood



#### Analysis period

Approx. 2-3 weeks



#### Final results

3-4 weeks after sample delivery

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Take your first step to get personalized cancer care.

