



Wider view on mutation spectrum

Hereditary Breast and Ovarian Cancer Analysis Kit

– all you need in one box –

Quick facts

- 86 genetic variations from 5 genes detected simultaneously in a single run
- Contains mutations primarily from Estonian, Latvian and Finnish populations.
- Developed with the leading scientists in the Hereditary Breast and Ovarian Cancer research community backed by the latest scientific and medical studies

Easy to use

- Everything you need is in one box
- Analysis software comes with integrated guidance for mutation detection
- Barcoded arrays to ensure precise tracking
- Consultations from day-to-day users

Hereditary Breast and Ovarian Cancer

- Genorama reliable Hereditary Breast and Ovarian Cancer Analysis Kit is based on flexible and cost-effective Arrayed Primer EXTension (APEX) genotyping technology
- Enables to determine 86 genetic variations in 5 genes – BRCA1, BRCA2, CHEK2, RAD51 and NBN
- Genorama Hereditary Breast and Ovarian Cancer test is developed for cases of a positive anamnesis and known genetic alterations in family or in case there has been a history of breast cancer in males in the family
- If risk factors have been verified the physician may start annual medical examination in order to discover the cancer at the earliest stage possible

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Reliable and up to date

- List of relevant publications is available on Genorama website
- Intensively used throughout years and hundreds of screened samples
- Based on established and validated APEX technology
- Genorama is keeping a close eye on new discoveries in the field

Genorama Hereditary Breast and Ovarian Cancer Analysis KIT includes all consumables for successful analysis process and provides all necessary reagents, PCR primers and barcoded arrays for 25 tests

- PCR primers and purification Kit
- APEX Template Preparation Kit
- APEX Reaction Mixture Kit
- Hereditary Breast and Ovarian Cancer microarrays

APEX technology

Arrayed Primer EXTension (APEX) genotyping is based upon an array of oligonucleotides, immobilized on glass surface via their 5' end. Patient's DNA is amplified by PCR, digested enzymatically and annealed to the immobilized primers, which promote sites for template-dependent DNA polymerase extension reactions using four unique fluorescently labelled dideoxy nucleotides. The mutation is detected by the change in primer sites colour code using the previously installed Genorama genotyping platform.

Ordering information

Cat #	Product name
G60103	Hereditary Breast and Ovarian Cancer Analysis KIT for 25 reactions

For further information please contact Genorama representatives

Genetic variations in test

BRCA1 c.185delAG; c.185insA; c.332-11T>G; c.300T>G; c.300T>C; c.339C>T; c.433A>G; c.835A>G; c.1186A>G; c.1186delA; c.1201del11(CAGAGAATCCT); c.1235G>A; c.1675delA; c.1740C>T; c.1806C>T; c.2457C>T; c.2524delTG; c.2800delAA; c.2804delAA; c.2841G>T; c.3172ins5(TGAGA); c.3232A>G,rs16941; c.3600del11 (GAAGATACTAG); c.3604delA; c.3780G>T; c.3819del5 (GTAAA); c.3829delT; c.3832C>T, rs28897687; c.3867G>T; c.3875del4 (GTCT); c.3880delAG; c.4154delA; c.4158A>G; c.4184del4 (TCAA); c.4284delAG; c.4341C>T; 4377 C>T; c.4419insA; c.4446C>G; c.4654G>T; c.4808C>G; c.4956A>G,rs1799966; c.5002T>C; c.5149del4 (CTAA); c.5214C>T; c.5256delG; c.5370C>T; c.5382insC; c.5396+1G>A; c.5433delT; c.5465G>A; c.5611delC; c.5622C>T; 5653delins (delACCAGTins20)

BRCA2 c.353A>G; c.399insA; c.862delAG; c.999del5; c.2192C>G; c.3063del4; c.4075delGT; c.4088insA; c.5445del4(delTTTA); c.5445del5 (delTTTAA); c.5445del7 (delTTTAAGT); c.5445del8 (delTTTAAGTA); c.5873C>A,C>G; c.5910C>G,C>A; c.6174delT; c.6495delGCAinsC; c.6503delTT; c.6633del5 (CTTAA); c.6634del7 (TTAAATG); c.6635del5 (TAAAT); c.7049G>T; c.7489C>T; c.7772C>T; c.9610C>T; c.10152C>G; c.10462A>G

CHEK2 c.190+1G>A; c.470T>C,rs17879961; c.1100delC

RAD51 c.135G>C(160G>C ?)

NBN c.657del5 (ACAAA)

