

**DISCOVER**  
**DIAGNOSE**  
**DEFEND**



**Preventive Genetic Testing for Breast Cancer**

# **BRCA 1 & 2**



**Next Generation Sequencing (NGS)**

- **Hereditary Breast and Ovarian Cancer (HBOC) accounts for 5-10 % of all Breast & Ovarian Cancer cases and is associated with mutations in the BRCA1/2 genes.**
- **Mutations in the BRCA genes can confirm the genetic predisposition of a patient.**

**India's Leading Super Specialised Laboratory Network**

## BRCA 1 & 2 Panel

- The BRCA1 and BRCA2 Panel contains primer pairs that target the coding regions of the tumor suppressor genes BRCA1 and BRCA2, which have been implicated in hereditary breast and ovarian cancers.
- BRCA 2 genes carry a higher risk of prostate cancer in men.
- Designed for 100% amplicon coverage of all targeted coding exons and exon–intron boundaries.
- Expanded target regions—amplicons were designed to cover 10–20 bases beyond the targeted coding exon and exon–intron boundaries.
- Created for sequence coverage redundancy with overlapping amplicons across exons

## Who should be considered for genetic testing due to a suspected hereditary mutation?

- Women with 1st or 2nd degree relative(s) with breast or ovarian cancer.
- Women diagnosed with breast and/or ovarian cancer.
- Women with a 1st degree relative diagnosed with bilateral breast cancer or before the age of 50.
- Men with a strong family history of breast/ovarian cancer.


### Test Information :

Test Code	Test Name	Technique	Specimen	TAT / Reported on
SMO10058	BRCA 1 & 2 complete sequencing test	Next Generation Sequencing	8-10 ml. whole blood EDTA.	21st working day
SMO10349	BR Complete NGS Panel	Next Generation Sequencing	4ml whole blood in EDTA	42nd working day

### For further information, Kindly contact:

Name..... Phone.....

or e-mail us at [info@oncquest.net](mailto:info@oncquest.net)

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