

**Panel Test**  
is more  
**Sensitivity**  
than single  
Gene Test

**OCTOBER**

Breast Cancer Awareness Month

# Breast Cancer NGS Panel

**14 Genes**  
at the cost of just  
**BRCA1**

## LIST OF CANCER GENES DETECTED UNDER BREAST CANCER NGS PANEL

AKT1 ATM BRCA1 BRCA2 CDH1  
CDKN2A EGFR ERBB2 FBXO32 FGFR1  
FGFR2 PTEN RET Tp53

**14 Genes**

**B**reast cancer arises from epithelial cells in lobular and duct tissues in the breast. Most cases of breast cancer occur sporadically, or without family history. However, about 5-10% of the cases are hereditary. Germline mutations in highly penetrable genes, mainly BRCA1 and BRCA2, have been found to be the direct causes of elevated risks of breast cancer in women. Individuals with a family history of cancers are recommended to undergo genetic testing, which provides the most accurate way of determining the individual's cancer risks. Although BRCA1 and BRCA2 account for most of the genetic risks in hereditary breast and ovarian cancers, additional susceptibility genes associated with the disease have been identified and are included in the BCP(Breast Cancer Panel). Now **Microlabs offer BCP in NGS(Next Generation Sequencing) Technique** for earlier detection of the disease. **The benefit of panel testing is the increased clinical sensitivity compared to testing only the BRCA genes. Also, panel testing is more cost effective than step-wise genetic testing for individual genes.**

## Depressing Facts



1 in 8  
Women  
will be diagnosed  
with breast cancer



1 in 1000  
Men  
will be diagnosed  
with breast cancer



**BLL**  
Normally Breast cancer  
spreads to  
Bones, Liver and Lungs



2<sup>nd</sup>  
most common  
cancer  
globally



**INDIA**  
has the highest  
number of women  
dying from  
breast cancer in  
the world



8 out of 9  
diagnosed women  
have no family history  
of breast cancer

Test Name	: Breast Cancer NGS Panel
Test Code	: 15002
Methodology	: Next Generation Sequencing (NGS)
Specimen	: Blood/Tumor Biopsy/FFPE Tissue
TAT	: 15 Days

**Test Detail**

**Microbiological  
Laboratory**



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