

BRCA1/CCP17 FISH Probe Kit

Introduction

The BRCA1/CCP17 FISH Probe Kit is designed to detect the human *BRCA1* gene located on chromosome band 17q21.31 along with the number of CCP17 copies per cell. Mutations of this gene – also known as *IRIS*, *PSCP*, *BRCAI*, *BRCC1*, *FANCS*, *PNCA4*, *RNF53*, *BROVCA1*, *PPP1R53* – are a major cause of familial breast and ovarian cancers; mutations and copy number abnormalities have been observed in various other solid tumor types.

Intended Use

To measure the copy number of the human *BRCA1* gene located on chromosome band 17q21.31.

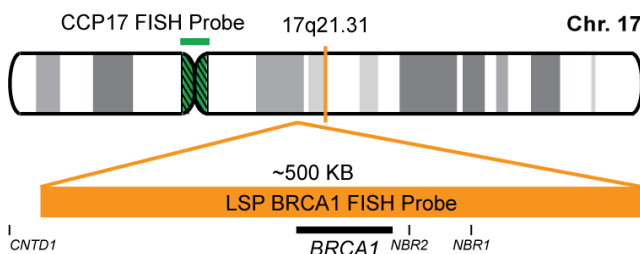
Cont.

LSP BRCA1 FISH Probe
CCP17 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP BRCA1 FISH Probe covers a chromosomal region, which includes the entire *BRCA1* gene. CCP17 FISH probe DNA, derived from chromosome 17 specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 17 copies per cell.

Not to Scale

Cat. No.

CT-PAC430-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

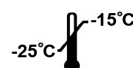
1. Miki Y, et al. Science 266(5182):66-71 (1994).
2. Oldenburg RA, et al. Crit. Rev. Oncol. Hematol. 63(2):125-49 (2007).
3. Ramus SJ, et al. Hum. Mutat. 28(12):1207-15 (2007).
4. Walsh T, et al. JAMA 295(12):1379-88 (2006).
5. Focken T, et al. Cytogenet. Genome Res. 135(2):84-92 (2011).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

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