

ERBB2/TOP2A/CCP17 FISH Probe Kit

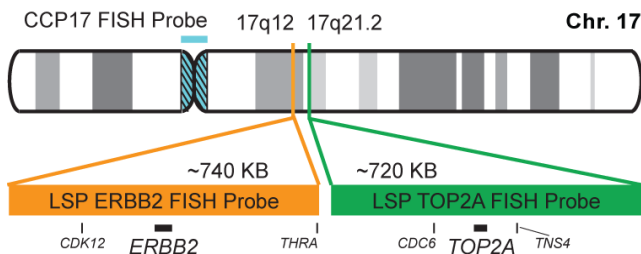
Introduction

The ERBB2/TOP2A/CCP17 FISH Probe Kit is designed to detect the human *ERBB2* gene, located on chromosome band 17q12, and the *TOP2A* gene on chromosome band 17q21.2, along with the number of chromosome 17 copies per cell. Abnormal expression or rearrangements of both genes (*ERBB2* – also known as *NEU*, *NGL*, *HER2*, *TKR1*, *CD340*, *HER-2*, *MLN 19* or *HER-2/neu* – and *TOP2A* – also known as *TOP2* or *TP2A*) has been observed in breast carcinoma and many other solid tumor types.

Intended Use
To measure the copy number of the human <i>ERBB2</i> and <i>TOP2A</i> gene located on chromosome band 17q12 and 17q21.2, respectively.

Cont.	Color
LSP ERBB2 FISH Probe LSP TOP2A FISH Probe CCP17 FISH Probe	CytoOrange CytoGreen CytoAqua

Probe Design



LSP ERBB2 FISH Probe covers a chromosomal region which includes the entire *ERBB2* gene. LSP TOP2A FISH Probe covers a chromosomal region which includes the entire *TOP2A* gene. CCP17 FISH Probe, 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.	Volume
CT-PAC007-10-OGA	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G + 2A	<u>Abnormal Pattern</u> Other Patterns

- 1) Heselmeyer-Haddad K, et al. *Cancer Res.* 62(8):2365-9 (2002).
- 2) Pauletti G, et al. *J Clin Oncol.* 18(21):3651-64 (2000).
- 3) Varga Z, et al. *Breast Cancer Res Treat.* 133(3):929-35 (2012).
- 4) de Resende MF, et al. *J Transl Med.* 11:36 (2013).
- 5) Sønderstrup IM, et al. *Mol Oncol.* 2015 Mar 4. doi: 10.1016/j.molonc.2015.02.009.



* 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.