

ERBB2/CCP17 FISH Probe Kit

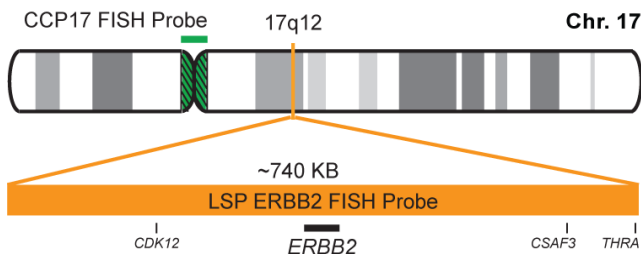
Introduction

The ERBB2/CCP17 FISH Probe Kit is designed to detect the human *ERBB2* gene located on chromosome band 17q12, along with the number of chromosome 17 copies per cell. Abnormal expression of the *ERBB2* gene – also known as *NEU*, *NGL*, *HER2*, *TKR1*, *CD340*, *HER-2*, *MLN 19* or *HER-2/neu* – 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> gene located on chromosome band 17q12.

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

Probe Design



LSP ERBB2 FISH Probe covers a chromosomal region which includes the entire *ERBB2* 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-PAC001-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 20 + 2G	<u>Abnormal Pattern</u> Other Patterns

- 1) Coussens L, et al. *Science*. 230(4730):1132-9 (1985).
- 2) Slamon DJ, et al. *Science*. 235(4785):177-82 (1987).
- 3) Heselmeyer-Haddad K, et al. *Cancer Res*. 62(8):2365-9 (2002).
- 4) Pauletti G, et al. *J Clin Oncol*. 18(21):3651-64 (2000).
- 5) Pathmanathan N & Bilous AM. *Pathology*. 44(7):587-95 (2012).



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* 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.