

## ERBB4/CCP2 FISH Probe Kit

### Introduction

The ERBB4/CCP2 FISH Probe Kit is designed to detect the human ERBB4 gene located on chromosome band 2q34, along with the number of chromosome 2 copies per cell. Abnormal expression of the ERBB4 gene – also known as HER4, ALS19 or p180erbB4 – has been observed in a number of malignant tumors and other conditions.

### Intended Use

To measure the copy number of the human *ERBB4* gene located on chromosome band 2q34.

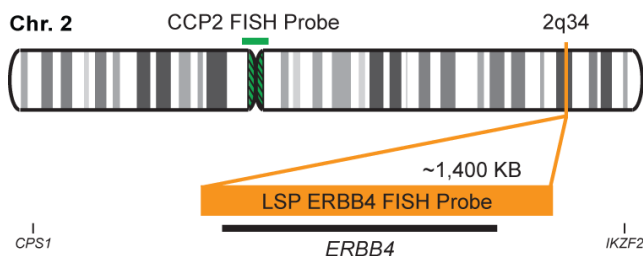
### Cont.

### Color

LSP ERBB4 FISH Probe  
CCP2 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP ERBB4 FISH Probe covers a chromosomal region which includes the entire *ERBB4* gene. CCP2 FISH Probe, derived from chromosome 2-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 2 copies per cell.

### Cat. No.

### Volume

CT-PAC030-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

Other Patterns

- 1) Zimonjic DB, et al. *Oncogene*. 10(6):1235-7 (1995).
- 2) Fuchs IB, et al. *Breast Cancer Res Treat*. 82(1):23-8 (2003).
- 3) Sassen A, et al. *Breast Cancer Res*. 10(1):R2 (2008).
- 4) Roskoski R Jr. *Pharmacol Res*. 2014 Jan;79:34-74 (2014).
- 5) Liu W, et al. *Diagn Pathol*. 9:132 (2014).

\* 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.

DCN032

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