

CSF1R/EGR1/TERT FISH Probe Kit

Introduction

The CSF1R/EGR1/TERT FISH Probe Kit is designed to detect the human *CSF1R* gene on chromosome band 5q32, the *EGR1* gene on chromosome band 5q31.2, and the *TERT* gene on chromosome band 5p15.33. Abnormalities in *CSF1R* – also known as *FMS*, *CSFR*, *FIM2*, *HDLS*, *C-FMS*, *CD115*, *CSF-1R* or *M-CSF-R* – abnormalities in *EGR1* – also known as *ERBB*, *HER1*, *mENA*, *ERBB1*, *PIG61* or *NISBD2* – and abnormalities in *TERT* – also known as *TP2*, *TRT*, *CMM9*, *EST2*, *TCS1*, *hTRT*, *DKCA2*, *DKCB4*, *hEST2* or *PFBMFT1* – have been observed in myeloid malignancies, lung cancer and several other cancer types.

Intended Use

To measure the copy number of the human *CSF1R*, *EGR1* and *TERT* genes located on chromosome bands 5q32, 5q31.2 and 5p15.33, respectively.

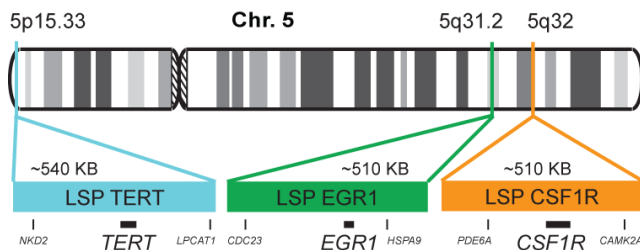
Cont.

LSP CSF1R FISH Probe
LSP EGR1 FISH Probe
LSP TERT FISH Probe

Color

CytoOrange
CytoGreen
CytoAqua

Probe Design



Not to Scale

LSP CSF1R FISH Probe covers a chromosomal region which includes the entire *CSF1R* gene. LSP EGR1 FISH Probe covers a chromosomal region which includes the entire *EGR1* gene. LSP TERT FISH Probe covers a chromosomal region which includes the entire *TERT* gene.

Cat. No.

CT-PAC179-10-OGA

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Gu TL, et al. *Blood*. 110(1):323-33 (2007).
- 2) Shih LY, et al. *Leukemia*. 22(2):303-7 (2008).
- 3) Ronski K, et al. *Cancer*. 104(5):925-30 (2005).
- 4) Joslin JM, et al. *Blood*. 110(2):719-26 (2007).
- 5) Hoffman MW, et al. *Cancer Genet Cytogenet*. 191(2):106-8 (2009).



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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.

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