

KIT/CCP4 FISH Probe Kit

Introduction

The KIT/CCP4 FISH Probe Kit is designed to detect the human *KIT* gene located on chromosome band 4q12, along with the number of chromosome 4 copies per cell. Abnormal expression or rearrangements of the *KIT* gene – also known as *SCFR* or *CD117* – has been observed in various cancer types and disorders such as acute myeloid leukemia (AML), melanoma, small cell lung cancer, testicular carcinoma, familial gastrointestinal stromal tumors, systemic mast cell disease, piebaldism and other malignancies.

Intended Use

To measure the copy number of the human *KIT* gene located on chromosome band 4q12.

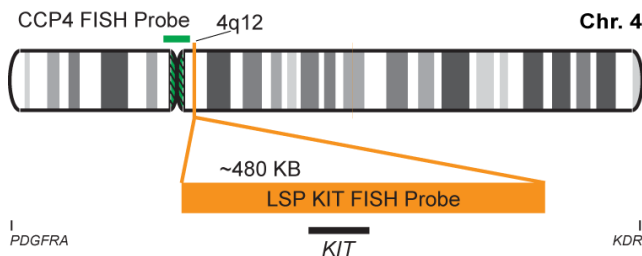
Cont.

LSP KIT FISH Probe
CCP4 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP KIT FISH Probe covers a chromosomal region which includes the entire *KIT* gene. CCP4 FISH Probe, derived from chromosome 4-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 4 copies per cell.

Not to Scale

Cat. No.

Volume

CT-PAC136-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Vandenbark GR, et al. *Oncogene*. 7(7):1259-66 (1992).
- 2) Ezoe K, et al. *Am J Hum Genet*. 56(1):58-66 (1995).
- 3) Gari M, et al. *Br J Haematol*. 105(4):894-900 (1999).
- 4) Curtin JA, et al. *J Clin Oncol*. 24(26):4340-6 (2006).
- 5) Woodman SE & Davies MA. *Biochem Pharmacol*. 80(5):568-74 (2010).



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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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