

CCP3 FISH Probe

Introduction

Chromosome counting probe 3 (CCP3) FISH Probe is designed to detect the copy number of chromosome 3 or to serve as a control to determine the relative number of copies of genes located on chromosome 3 or other chromosomes. The probe is derived from chromosome 3 specific alpha satellite DNA.

Intended Use

To measure the copy number of the human chromosome 3.

Cont.

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Color

CytoGreen

Probe Design



The CCP3 probe hybridizes to chromosome 3 in both metaphase and interphase cells. After hybridizing with normal human peripheral blood lymphocyte samples, two distinct bright fluorescent spots could be observed in the interphase nuclei under a fluorescence microscope. In metaphase cells, bright signals can be observed on the centromere region of chromosome 3 (3p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Not to Scale

Cat. No.

CT-CCP003-10-G

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2G

Abnormal Pattern

Other Patterns

- 1) Jenkins RB, et al. *Blood*. 79(12):3307-15 (1992).
- 2) Escudier SM, et al. *Blood*. 81(10):2702-7 (1993).
- 3) Heim S & Mitelman F. *Cancer Cytogenetics 2nd Ed.* (1995).
- 4) Najfeld V, et al. *Bone Marrow Transplant*. 19(8):829-34 (1997).
- 5) Byrd JC, et al. *Clin Cancer Res*. 4(5):1235-41 (1998).



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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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