

CCP1 FISH Probe

Introduction

Chromosome counting probe 1 (CCP1) FISH Probe is designed to detect the copy number of chromosome 1 or to serve as a control to determine the relative number of copies of genes located on chromosome 1 or other chromosomes. The probe is derived from chromosome 1 specific alpha satellite DNA.

Intended Use

To measure the copy number of the human chromosome 1.

Cont.

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Color

CytoGreen

Probe Design



Not to Scale

The CCP1 probe hybridizes to chromosome 1 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 1 (1p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.

CT-CCP001-10-G

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2G

Abnormal Patterns

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).

* 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.

