

CCP10 FISH Probe

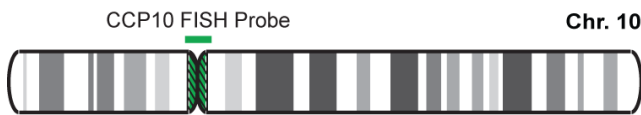
Introduction

Chromosome counting probe 10 (CCP10) FISH Probe is designed to detect the copy number of chromosome 10 or to serve as a control to determine the relative number of copies of genes located on chromosome 10 or other chromosomes. The probe is derived from chromosome 10 specific alpha satellite DNA.

Intended Use
To measure the copy number of the human chromosome 10.

Cont.	Color
CCP10 FISH Probe	CytoGreen

Probe Design



The CCP10 probe hybridizes to chromosome 10 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 10 (10p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Not to Scale

Cat. No.	Volume
CT-CCP010-10-G	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
2G	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.