

CCP4 FISH Probe

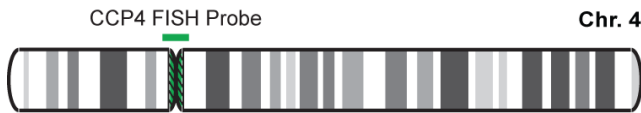
Introduction

Chromosome counting probe 4 (CCP4) FISH Probe is designed to detect the copy number of chromosome 4 or to serve as a control to determine the relative number of copies of genes located on chromosome 4 or other chromosomes. The probe is derived from chromosome 4 specific alpha satellite DNA.

Intended Use
To measure the copy number of the human chromosome 4.

Cont.	Color
CCP4 FISH Probe	CytoGreen

Probe Design



The CCP4 probe hybridizes to chromosome 4 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 4 (4p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Not to Scale

Cat. No.	Volume
CT-CCP004-10-G	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
2G	Other Patterns

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



CytoTest Inc.
9430 Key West Ave., Suite 210
Rockville, MD 20850, USA

* 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.