

CCP18 FISH Probe

Introduction

Chromosome counting probe 18 (CCP18) FISH Probe is designed to detect the copy number of chromosome 18 or to serve as a control to determine the relative number of copies of genes located on chromosome 18 or other chromosomes. The probe is derived from chromosome 18 specific alpha satellite DNA.

Intended Use
To measure the copy number of the human chromosome 18.

Cont.	Color
CCP18 FISH Probe	CytoAqua

Probe Design



Not to Scale

The CCP18 probe hybridizes to chromosome 18 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 18 (18p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP018-10-A	10 Tests (100 µL)

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

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Intended Use
To measure the copy number of the human chromosome 18.

Cont.	Color
CCP18 FISH Probe	CytoGreen

Probe Design



Not to Scale

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Cat. No.	Volume
CT-CCP018-10-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).
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