

CCP5+19 FISH Probe

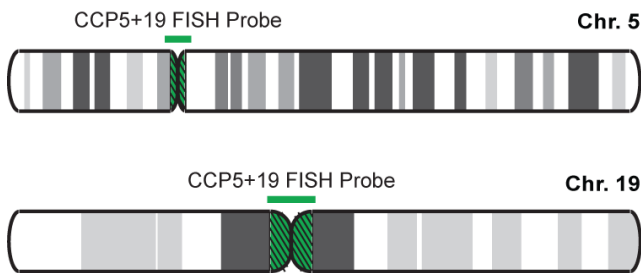
Introduction

Chromosome counting probe 5+19 (CCP5+19) FISH Probe is a single alpha-satellite sequence designed to detect the copy number of chromosomes 5 and 19 or to serve as a control to determine the relative number of copies of genes located on chromosome 5, 19 or other chromosomes.

Intended Use
To measure the copy number of the human chromosomes 5 and 19.

Cont.	Color
CCP5+19 FISH Probe	CytoGreen

Probe Design



The CCP5+19 probe hybridizes to chromosomes 5 and 19 in both metaphase and interphase cells. After hybridizing with normal human peripheral blood lymphocyte samples, four 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 chromosomes 5 (5p11.1-q11.1) and 19 (19p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Not to Scale

Cat. No.	Volume
CT-CCP305-10-G	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
4G	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.