CytoTest®

Premium **FISH** for Quality of Lives

**ENGLISH**

*For Professional Use Only*

# CCP15 FISH Probe

## Introduction

Chromosome counting probe 15 (CCP15) FISH Probe is designed to detect the copy number of chromosome 15 or to serve as a control to determine the relative number of copies of genes located on chromosome 15 or other chromosomes. The probe is derived from chromosome 15 specific alpha satellite DNA.

## Intended Use

To measure the copy number of the human chromosome 15.

| Cont. | Color |
|---|---|
| CCP15 FISH Probe | CytoGreen |

## Probe Design

*Not to Scale*

The CCP15 probe hybridizes to chromosome 15 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 15 (15p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

| Cat. No. | Volume |
|---|---|
| CT-CCP015-10-G | 10 Tests (100 µL) |

## Signal Pattern Interpretation

| Normal Patterns | Abnormal Patterns |
|---|---|
| 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).


-25°C -15°C IVD


CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA


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## Intended Use

To measure the copy number of the human chromosome 15.

| Cont. | Color |
|---|---|
| CCP15 FISH Probe | CytoOrange |

## Probe Design

*Not to Scale*

The CCP15 probe hybridizes to chromosome 15 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 15 (15p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

| Cat. No. | Volume |
|---|---|
| CT-CCP015-10-O | 10 Tests (100 µL) |

## Signal Pattern Interpretation

| Normal Patterns | Abnormal Patterns |
|---|---|
| 2O | 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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