CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CCP12 FISH Probe

Introduction

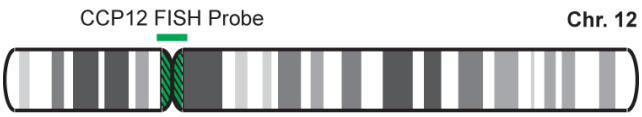
Chromosome counting probe 12 (CCP12) FISH Probe is designed to detect the copy number of chromosome 12 or to serve as a control to determine the relative number of copies of genes located on chromosome 12 or other chromosomes. The probe is derived from chromosome 12 specific alpha satellite DNA.

Intended Use

To measure the copy number of the human chromosome 12.

Cont.	Color
CCP12 FISH Probe	CytoGreen

Probe Design



Not to Scale

The CCP12 probe hybridizes to chromosome 12 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 12 (12p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP012-10-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 CE IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
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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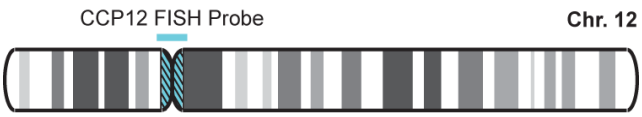
Intended Use

To measure the copy number of the human chromosome 12.

Cont.	Color
CCP12 FISH Probe	CytoAqua

Probe Design



Not to Scale

The CCP12 probe hybridizes to chromosome 12 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 12 (12p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP012-10-A	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2A	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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