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ENGLISH

For Professional Use Only

CCP7 FISH Probe

Introduction

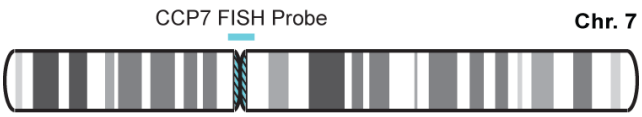
Chromosome counting probe 7 (CCP7) FISH Probe is designed to detect the copy number of chromosome 7 or to serve as a control to determine the relative number of copies of genes located on chromosome 7 or other chromosomes. The probe is derived from chromosome 7 specific alpha satellite DNA.

Intended Use

To measure the copy number of the human chromosome 7.

Cont.	Color
CCP7 FISH Probe	CytoAqua

Probe Design



Not to Scale

The CCP7 probe hybridizes to chromosome 7 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 7 (7p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP007-10-A	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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).

-25°C -15°C IVD

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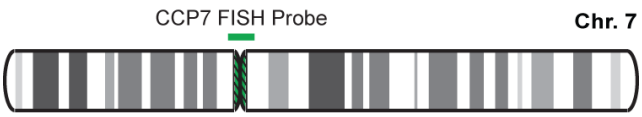
Intended Use

To measure the copy number of the human chromosome 7.

Cont.	Color
CCP7 FISH Probe	CytoGreen

Probe Design



Not to Scale

The CCP7 probe hybridizes to chromosome 7 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 7 (7p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP007-10-G	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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).

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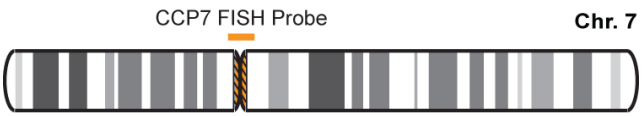
Intended Use

To measure the copy number of the human chromosome 7.

Cont.	Color
CCP7 FISH Probe	CytoOrange

Probe Design



Not to Scale

The CCP7 probe hybridizes to chromosome 7 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 7 (7p11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP007-10-O	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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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