CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CCPX FISH Probe

Introduction

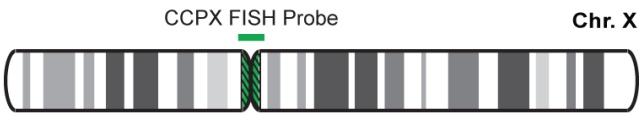
Chromosome counting probe X (CCPX) FISH Probe is designed to detect the copy number of chromosome X or to serve as a control to determine the relative number of copies of genes located on chromosome X or other chromosomes. The probe is derived from chromosome X specific alpha satellite DNA.

Intended Use

To measure the copy number of the human chromosome X.

Cont.	Color
CCPX FISH Probe	CytoGreen

Probe Design



Not to Scale

The CCPX probe hybridizes to chromosome X in both metaphase and interphase cells. After hybridizing with normal human peripheral blood lymphocyte samples, different signal patterns can be observed based on the sample type (male or female). In metaphase cells, bright signal(s) can be observed on the centromere region of chromosome X (Xp11.1-q11.1). No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP023-10-G	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
1G (Male) 2G (Female)	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

* 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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