CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CCPY (DYZ1) FISH Probe

Introduction

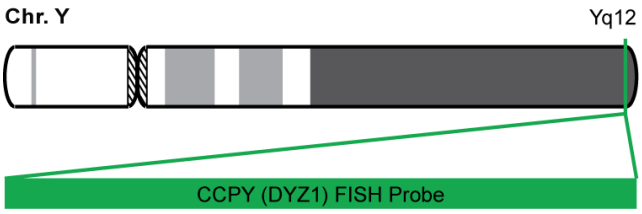
Chromosome counting probe Y (CCPY) FISH Probe is designed to determine the copy number of human chromosome Y and to detect copy number aberrations in this chromosome, in metaphase and interphase blood and tissue cells.

Intended Use

To measure the copy number of the human chromosome Y.

Cont.	Color
CCPY (DYZ1) FISH Probe	CytoGreen

Probe Design



Not to Scale

The CCPY (DYZ1) probe hybridizes to chromosome Y 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, a bright signal can be observed on chromosome band Yq12. No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP124-10-G	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
1G (Male) 0G (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 CE IVD

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

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Intended Use

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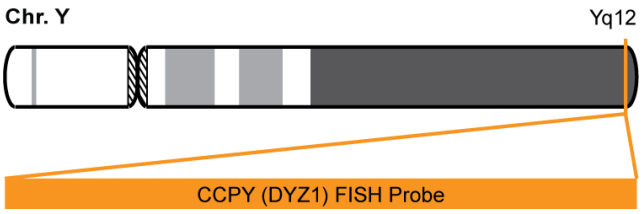
Cont.	Color
CCPY (DYZ1) FISH Probe	CytoOrange

Probe Design



Not to Scale

The CCPY (DYZ1) probe hybridizes to chromosome Y 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, a bright signal can be observed on chromosome band Yq12. No cross-hybridization to loci on other chromosomes is observed.

Cat. No.	Volume
CT-CCP124-10-O	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
1O (Male) 0O (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).
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