

# CCPX,Y FISH Probe Kit

## Introduction

The CCPX/CCPY FISH Probe Kit is designed to simultaneously determine the copy number of human chromosomes X and Y, and to detect copy number aberrations in these chromosomes, in metaphase and interphase blood and tissue cells. Sex chromosome aneuploidies are common prenatal chromosomal aberrations. While the panel can also reveal other copy number defects and other anomalies, a diverse range of specific abnormalities may not be detected by this panel such as localized inversions or balanced intrachromosomal translocations, centromeric polymorphisms, some microdeletions or microduplications, and other defect types.

## Intended Use

To detect copy number aberrations involving chromosomes X and Y.

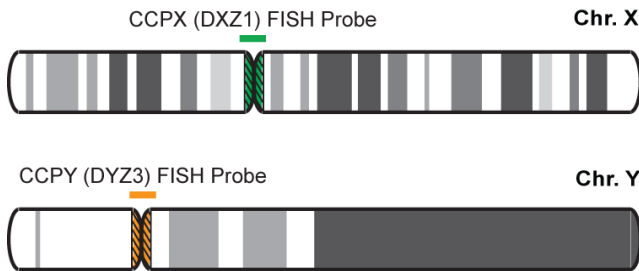
## Cont.

CCPX FISH Probe  
CCPY (DYZ3) FISH Probe

## Color

CytoGreen  
CytoOrange

## Probe Design



CCPX and CCPY are derived from chromosome X- and Y-specific alpha satellite DNA, respectively.

Not to Scale

## Cat. No.

CT-PAC406-10-GO

## Volume

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

1G1O (Male)  
2G (Female)

### Abnormal Patterns

Other Patterns

- 1) Schwartz S. Am J Hum Genet 52:851-853 (1993).
- 2) Lewin P, et al. Prenat Diagn 20(1):1-6 (2000).
- 3) Tepperberg J, et al. Prenat Diagn 21(4):293-301 (2001).
- 4) ACMG/ASHG. Genetics in Medicine 2(6):356 – 361 (2000).
- 5) Stumm M, et al. Cytogenet Genome Res 114(3-4):296-301 (2006).

\* 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.

