CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CCP13, 18, 21, X, Y FISH Probe Kit

Introduction

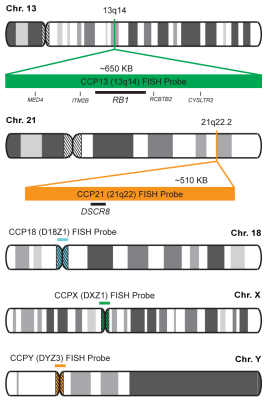
The CCP13,18,21,X,Y FISH Probe Kit is designed to simultaneously determine the copy number of human chromosomes 13, 18, 21, X and Y, and to detect copy number aberrations in these chromosomes, in metaphase and interphase blood and tissue cells. Trisomies of chromosomes 13, 18 and 21 as well as sex chromosome aneuploidies are the by far most common prenatal chromosomal aberrations. While the panel can also reveal other copy number defects including mono-, tetra- and polyploidies 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 13, 18 and 21 as well as sex chromosomes.

Cont.	Color
Vial 1: CCP13 (13q14) FISH Probe	CytoGreen
CCP21 (21q22) FISH Probe	CytoOrange
Vial 2: CCP18 FISH Probe	CytoAqua
CCPX FISH Probe	CytoGreen
CCPY (DYZ3) FISH Probe	CytoOrange

Probe Design



Not to Scale

CCP13 FISH Probe covers chromosomal sequences around 13q14 banding region. CCP21 FISH Probe covers around 21q22.2 location. CCP18, X and Y FISH Probe are derived from chromosome 18-, X- and Y-specific alpha satellite DNA, respectively.

Cat. No.	Volume
CT-PAC404-10-GAOGO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
Vial 1: 2G2O	Other Patterns
Vial 2: 2A1G1O (Male)	
2A2G (Female)	

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).

-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.