

## CCP13, 18, 21 FISH Probe Kit

### Introduction

This CytoTest FISH probe set is designed to simultaneously determine the copy number of human chromosomes 13, 18 and 21, and to detect copy number aberrations in these chromosomes, in metaphase and interphase blood and tissue cells. The panel contains three different probes:  
CCP18 is derived from chromosome 18 specific centromeric (18p11.1-q11.1) alpha satellite DNA (D18Z1).  
CCP13 is a probe spanning the RB1 gene on 13q14 and adjacent sequences.  
CCP21 is a probe covering the DSCR8 gene locus located on chromosome band 21q22.2.

### Intended Use

To determine the copy number of human chromosomes 13, 18 and 21, and to detect copy number aberrations in these chromosomes, in metaphase and interphase blood and tissue cells.

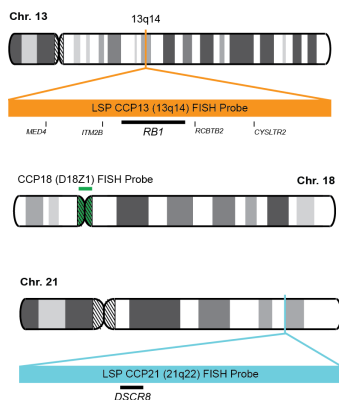
### Cont.

### Color

CCP13 (13q14) FISH Probe  
CCP18 FISH Probe  
CCP21 (21q22) FISH Probe

CytoOrange  
CytoGreen  
CytoAqua

### Probe Design



CCP13 FISH Probe covers chromosomal sequences around 13q14 banding region. CCP21 FISH Probe covers around 21q22.2 location. CCP18 FISH Probe is derived from chromosome 18-specific alpha satellite DNA.

### Cat. No.

### Volume

CT-PAC345-10-OGA

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G2A

#### 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.

DCN032

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