

D5S23, D5S721/CCP9/CCP15 FISH Probe Kit

Introduction

The D5S23,D5S721/CCP9/CCP15 FISH probe set is designed to detect copy number changes in the region around STS markers D5S23 and D5S721. The kit contains three differentially labeled probes: A Locus Specific Probe (LSP) D5S23,D5S721 covers the chromosomal region between the STS markers D5S23 and D5S721 and the region upstream and downstream of the two markers. The other two probes are Chromosome Counting Probe (CCP) 9 and 15 to detect the copy number of each respective chromosome per cell.

Intended Use

To measure the copy number of the chromosomal region between the STS markers D5S23 and D5S721, along with the number of chromosome 9 and 15 copies per cell.

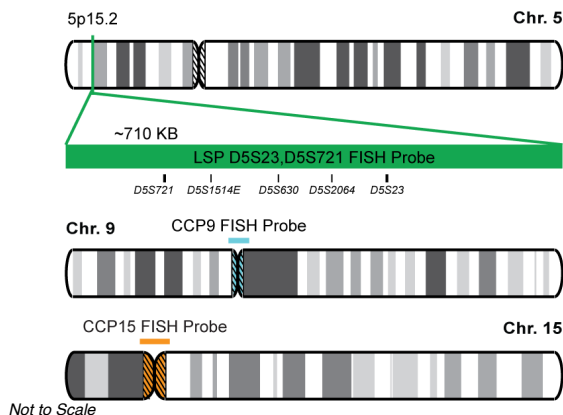
Cont.

Color

LSP D5S23,D5S721 FISH Probe
CCP9 (Pericentromeric) FISH Probe
CCP15 FISH Probe

CytoGreen
CytoAqua
CytoOrange

Probe Design



LSP D5S23,D5S721 FISH Probe, covering a chromosomal region around the D5S23 and D5S721 STS markers located at 5p15.2, is designed to serve as a control to determine the number of chromosome 5 copies per cell. It also aids in distinguishing whole chromosome 5 losses from losses of chromosome arm 5q. CCP9 FISH Probe is designed to serve as a control to determine the number of chromosome 9 copies per cell. CCP15 FISH probe DNA, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

Cat. No.

Volume

CT-PAC472-10-GAO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

Other Patterns

1) O'Connor C. *Nature Education*. 1(1):171 (2008).
2) Tsuchiya KD. *Clin Lab Med*. 31(4):525-42 (2011).
3) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
4) Knight SJ & Flint J. *J Med Genet*. 37(6):401-9 (2000).
5) Jalal SM, et al. *Genet Med*. 5(1):28-34 (2003).

* 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.