

SRY/CCPX/CCPY (DYZ1) FISH Probe Kit

Introduction

The SRY/CCPX/CCPY (DYZ1) FISH Probe Kit is designed to detect the human SRY gene located on chromosome band Yp11.31, along with the number of chromosome X and chromosome Y copies per cell. Rearrangements in the SRY gene region – also known as TDF, TDY, SRXX1 or SRXY1 – have been observed in a number of heritable and somatic conditions.

Intended Use

To measure the copy number of the human SRY gene located on chromosome band Yp11.31.

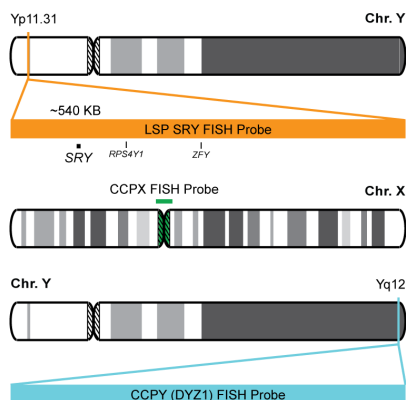
Cont.

Color

LSP SRY FISH Probe
CCPX FISH Probe
CCPY (DYZ1) FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



LSP SRY FISH Probe covers a chromosomal region which includes the entire SRY gene. CCPX FISH Probe, derived from chromosome X-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome X copies per cell but is also useful in detecting gene rearrangements involving the X chromosome. CCPY (DYZ1) FISH Probe hybridizes to Yq12 region and serves as a control to determine the number of chromosome Y copies per cell.

Cat. No.

Volume

CT-PAC462-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

1O1G1A (Male)
2G (Female)

Abnormal Patterns

Other Patterns

- 1) Kocova M, et al. *Endocr Pathol.* 6(4):311-322 (1995).
- 2) Mohammed F & Tayel SM. *J Clin Forensic Med.* 12(3):122-7 (2005).
- 3) Premi S, et al. *Mol Hum Reprod.* 12(2):113-21 (2006).
- 4) Chien SC, et al. *Am J Med Genet A.* 149A(12):2775-81 (2009).
- 5) Beneteau C, et al. *Am J Med Genet A.* 161A(6):1436-41 (2013).

* 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.

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