CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

STS/CCPX FISH Probe Kit

Introduction

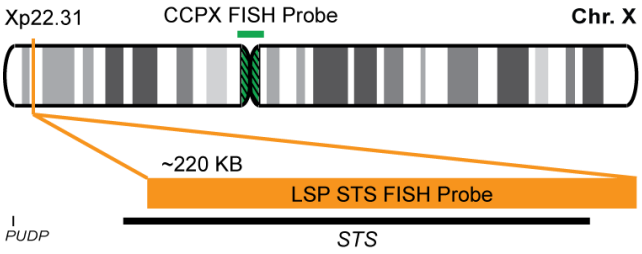
The STS/CCPX FISH Probe Kit is designed to detect the human STS gene located on chromosome band Xp22.31, along with the number of chromosome X copies per cell. Rearrangements in the STS gene region – also known as ARSC1 – have been observed in a number of heritable and somatic conditions, such as Steroid Sulfatase Deficiency, X-linked recessive ichthyosis, etc.

Intended Use

To measure the copy number of the human *STS* gene located on chromosome band Xp22.31.

Cont.	Color
LSP STS FISH Probe	CytoOrange
CCPX FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP STS FISH Probe covers a chromosomal region which includes almost the entire *STS* 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.

Cat. No.	Volume
CT-PAC476-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
1O1G (Male) 2O2G (Female)	Other Patterns

1) Afzal S, et al. BMC Med Genet. 21(1):20 (2020).
2) McNamara KM, et al. Br J Cancer. 118(9):1208-1216 (2018).
3) Sanchez-Guijo A, et al. Mol Cell Endocrinol. 437:142-153 (2016).
4) Oyama N, et al. J Eur Acad Dermatol Venereol. 30(9):1629-31 (2016).
5) Mueller JW, et al. Endocr Rev. 36(5):526-63 (2015).

-25°C -15°C CE IVD

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* 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.