

AR/CCPX FISH Probe Kit

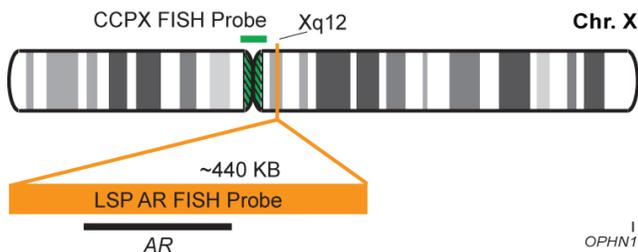
Introduction

The AR/CCPX FISH Probe Kit is designed to detect the human androgen receptor (*AR*) gene located on chromosome band Xq12, along with the number of chromosome X copies per cell. Abnormal expression of the *AR* gene – also known as *TFM*, *SMAX1*, *SBMA*, *NR3C4*, *KD*, *HYSP1*, *HUMARA*, *DHTR*, *AR8* or *AIS* – has been observed in Androgen insensitivity syndrome (AIS), spinal and bulbar muscular dystrophy (Kennedy disease), benign prostatic hyperplasia, prostate adenocarcinoma and other malignancies.

Intended Use
To measure the copy number of the human <i>AR</i> gene located on chromosome band Xq12.

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

Probe Design



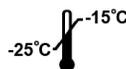
LSP AR FISH Probe covers a chromosomal region which includes the entire *AR* gene. CCPX FISH Probe, derived from chromosome X-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome X copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC116-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u>	<u>Abnormal Patterns</u>
1O1G (Male) 2O2G (Female)	Other Patterns

- 1) Abate-Shen C & Shen MM. *Genes Dev.* 14(19):2410-34 (2000).
- 2) Shang Y, et al. *Mol Cell.* 9(3):601-10 (2002).
- 3) Litvinov IV, et al. *J Clin Endocrinol Metab.* 88(7):2972-82 (2003).
- 4) Cunha GR, et al. *J Steroid Biochem Mol Biol.* 92(4):221-36 (2004).
- 5) Mizokami A, et al. *Cancer Res.* 64(2):765-71 (2004).



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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.