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

ENGLISH

For Professional Use Only

ATRX/CCPX FISH Probe Kit

Introduction

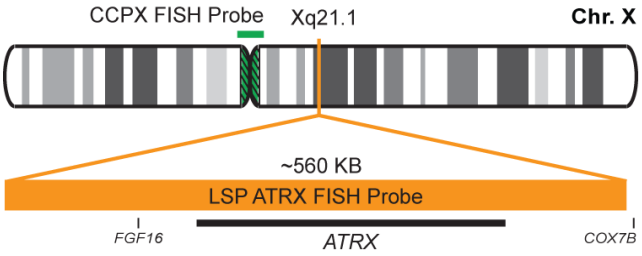
The ATRX/CCPX FISH Probe Kit is designed to detect the human ATRX gene located on chromosome band Xq21.1, along with the number of chromosome X copies per cell. Abnormalities in ATRX – also known as ATR2, JMS, MRX52, MRXHF1, RAD54, RAD54L, SFM1, SHS, XH2, XNP or ZNF-HX – occur in alpha-thalassemia mental retardation syndrome, which a disorder characterized by severe psychomotor retardation, facial dysmorphism, urogenital abnormalities, and alpha-thalassemia. An essential phenotypic trait is hemoglobin H erythrocyte inclusions.

Intended Use

To measure the copy number of the human *ATRX* gene located on chromosome band Xq21.1.

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

Probe Design



Not to Scale

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

Cat. No.	Volume
CT-PAC118-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G	Other Patterns

1) Sutherland GR, et al. *Am J Med Genet.* 30(1-2):493-508 (1988).
2) Gibbons RJ, et al. *Am J Hum Genet.* 51(5):1136-49 (1992).
3) Picketts DJ, et al. *Hum Mol Genet.* 5(12):1899-907 (1996).
4) Steensma DP, et al. *Blood.* 103(6):2019-26 (2004).
5) Nelson ME, et al. *Haematologica.* 90(11):1463-70 (2005).

-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.