

CDK12/CCP17 FISH Probe Kit

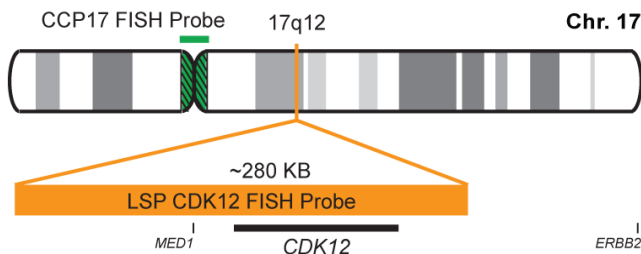
Introduction

The CDK12/CCP17 FISH Probe Kit is designed to detect the human *CDK12* gene located on chromosome band 17q12, along with the number of chromosome 17 copies per cell. Rearrangements and abnormal expression of the *CDK12* gene – also known as *CRK7*, *CRKR* or *CRKRS* – have been reported in gastric cancer, ovarian cancer and other malignancies.

Intended Use
To measure the copy number of the human <i>CDK12</i> gene located on chromosome band 17q12.

Cont.	Color
LSP CDK12 FISH Probe CCP17 FISH Probe	CytoOrange CytoGreen

Probe Design



LSP CDK12 FISH Probe covers a chromosomal region which includes the entire *CDK12* gene. CCP17 FISH Probe, derived from chromosome 17-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 17 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC123-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G	<u>Abnormal Patterns</u> Other Patterns

- Kimura K, et al. *Genome Res.* 16(1):55-65 (2006).
- Malumbres M, et al. *Nat Cell Biol.* 11(11):1275-6 (2009).
- Bartkowiak B, et al. *Genes Dev.* 24(20):2303-16 (2010).
- Eifler TT, et al. *Mol Cell Biol.* 35(2):468-78 (2015).
- Ekumi KM, et al. *Nucleic Acids Res.* 43(5):2575-89 (2015).



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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.