

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 *CDK12* gene located on chromosome band 17q12.

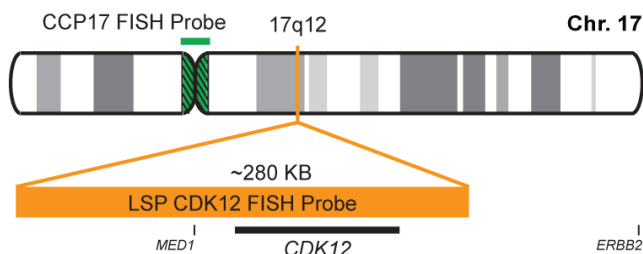
Cont.

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

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

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

* 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.

DCN032

© CytoTest Inc.



CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA