

PIK3CA/CCP3 FISH Probe Kit

Introduction

The PIK3CA/CCP3 FISH Probe Kit is designed to detect the human PIK3CA gene located on chromosome band 3q26.32, along with the number of chromosome 3 copies per cell. Abnormal expression of the PIK3CA gene – also known as MCM, CWS5, MCAP, PI3K, CLOVE, MCMTC or p110-alpha – has been observed in a variety of human cancers, including colon, breast, ovarian, brain, lung, stomach and other tumors.

Intended Use

To measure the copy number of the human *PIK3CA* gene located on chromosome band 3q26.32.

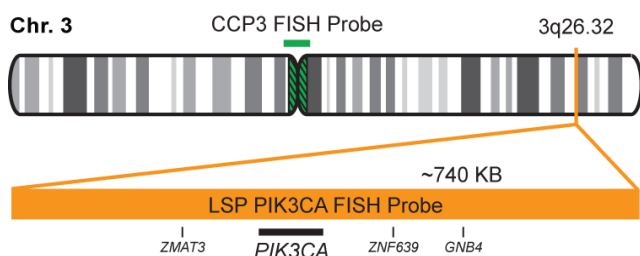
Cont.

Color

LSP PIK3CA FISH Probe
CCP3 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP PIK3CA FISH Probe covers a chromosomal region which includes the entire *PIK3CA* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

Cat. No.

Volume

CT-PAC012-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Berns K, et al. *Cancer Cell*. 12(4):395-402 (2007).
- 2) Lee JY, et al. *Science*. 317(5835):206-7 (2007).
- 3) Müller CI, et al. *Leuk Res*. 31(1):27-32 (2007).
- 4) Angulo B, et al. *J Pathol*. 214(3):347-56 (2008).
- 5) Garcia-Echeverria C & Sellers WR. *Oncogene*. 27(41):5511-26 (2008)

* 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.

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