

PIK3CA/CCP3 FISH Probe Kit

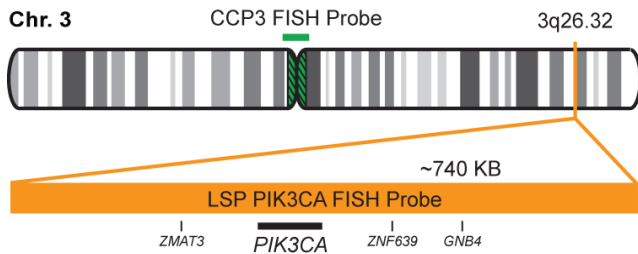
Introduction

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 <i>PIK3CA</i> gene located on chromosome band 3q26.32.

Cont.	Color
LSP PIK3CA FISH Probe CCP3 FISH Probe	CytoOrange CytoGreen

Probe Design



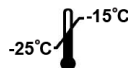
LSP PIK3CA FISH Probe covers a chromosomal region which includes the entire *PIK3CA* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC012-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G	<u>Abnormal Pattern</u> Other Patterns

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



CytoTest Inc.
9430 Key West Ave., Suite 210
Rockville, MD 20850, USA

* 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.