

## RAF1/CCP3 FISH Probe Kit

### Introduction

The RAF1/CCP3 FISH Probe Kit is designed to detect the human *RAF1* gene located on chromosome band 3p25.2, along with the number of chromosome 3 copies per cell. Abnormalities in *RAF1* – also known as *NS5*, *CRAF*, *Raf-1*, *c-Raf* or *CMD1NN* – may be associated with Noonan syndrome, LEOPARD syndrome, pancreatic acinar cell carcinomas, lung cancer and other malignancies.

### Intended Use

To measure the copy number of the human *RAF1* gene located on chromosome band 3p25.2.

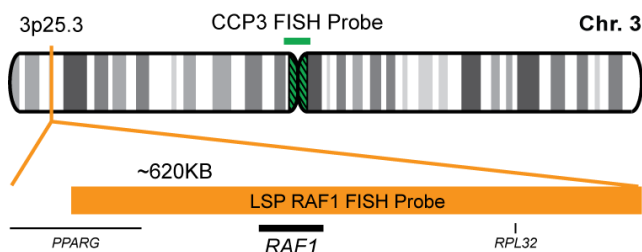
### Cont.

LSP RAF1 FISH Probe  
CCP3 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP RAF1 FISH Probe covers a chromosomal region which includes the entire *RAF1* 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.

CT-PAC492-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

1. Prall OWJ, et al. Mod Pathol. 33(9):1811-1821 (2020).
2. Williams EA, et al. Mod Pathol. 33(8):1466-1474 (2020).
3. Noeparast A, et al. Oncogene. 38(31):5933-5941 (2019).
4. Pandit B, et al. Nat Genet. 39(8):1007-12 (2007).
5. Jones DTW, et al. Oncogene. 28(20):2119-23 (2009).

\* 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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