

## EIF1B/BDH1 FISH Probe Kit

### Introduction

The EIF1B/BDH1 FISH Probe Kit is designed to detect the human *EIF1B* gene located on chromosome band 3p22.1 and the human *BDH1* gene region located on chromosome band 3q29 as a control to determine the number of chromosome 3 or chromosome 3 q-arm copies per cell. Deletions or abnormal expression of the *EIF1B* gene – also known as GC20 – region have been observed in non-small cell lung cancer and other malignancies.

### Intended Use

To measure the copy number of the human *EIF1B* gene located on chromosome band 3p22.1.

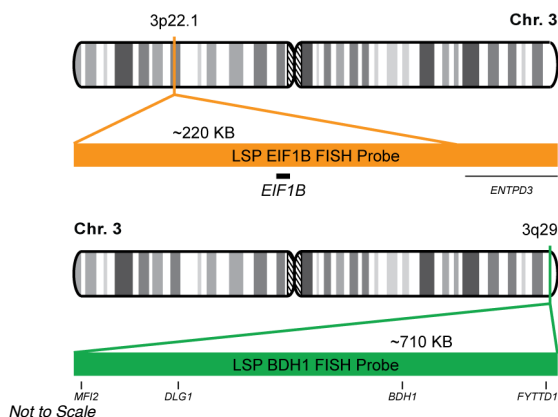
### Cont.

### Color

LSP EIF1B FISH Probe  
LSP BDH1 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



LSP EIF1B FISH Probe covers a chromosomal region, which includes the entire *EIF1B* gene along with some upstream and downstream genomic sequences. LSP BDH1 FISH Probe covers the *BDH1* gene region, designed to serve as a control to determine the number of chromosome 3 or chromosome 3 q-arm copies per cell.

### Cat. No.

### Volume

CT-PAC467-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- Yendamuri S, et al. J Thorac Oncol. 3(9):979-84 (2008).
- Shlomi D, et al. Cancer Genet. Oct;226-227:1-10 (2018).
- Katz RL, et al. Cancer Cytopathol. 128(8):553-562 (2020).
- Wang Q, et al. P23 Liquid Biopsy and Other Non-invasive Diagnostic Modalities - Screening and Early Detection. Issue 10, S1029 (2021).

\* 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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