

## BDH1/CCP3 FISH Probe Kit

### Introduction

The BDH1/CCP3 FISH Probe Kit is designed to detect the human BDH1 gene located on chromosome band 3q29, along with the number of chromosome 3 copies per cell. Mutations in BDH1 – also known as BDH or SDR9C1 – are associated with hepatocellular carcinoma, breast cancer, leukemia and other malignancies.

### Intended Use

To measure the copy number of the human *BDH1* gene located on chromosome band 3q29.

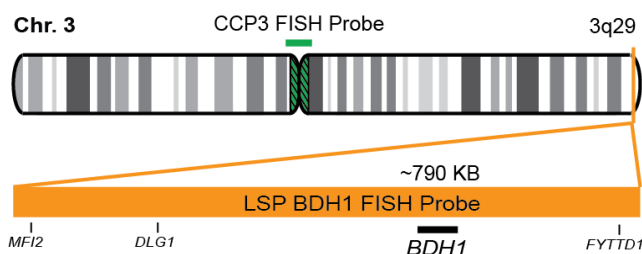
### Cont.

### Color

LSP BDH1 FISH Probe  
CCP3 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP BDH1 FISH Probe covers a chromosomal region, which includes the entire *BDH1* 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-PAC263-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Chelius D, et al. *Biochemistry*. 39(32):9687-97 (2000).
- 2) Maurer GD, et al. *BMC Cancer*. 11:315 (2011).
- 3) Rosenbluh J, et al. *Cell Syst*. 3(3):302-316 (2016).
- 4) Fei T, et al. *Proc Natl Acad Sci U S A*. 114(26):E5207-E5215 (2017).
- 5) Giurato G, et al. *Sci Data*. 5:180031 (2018).

\* 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

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