

## TCTE3/CCP6 FISH Probe Kit

### Introduction

The TCTE3/CCP6 FISH Probe Kit is designed to detect the human TCTE3 gene located on chromosome band 6q27, along with the number of chromosome 6 copies per cell. The gene – also known as DYNLT2, TCTEX2, Tctex4 or TCTEX1D3 – is predicted to enable dynein intermediate chain binding activity, to be involved in microtubule-based movement, to be located in cytosol and sperm flagellum, to be extrinsic component of membrane, to be part of cytoplasmic dynein complex and to be active in cytoplasm.

### Intended Use

To measure the copy number of the human *TCTE3* gene located on chromosome band 6q27.

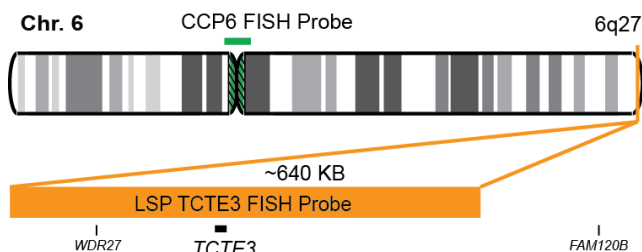
### Cont.

### Color

LSP TCTE3 FISH Probe  
CCP6 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP TCTE3 FISH Probe covers a chromosomal region, which includes the entire *TCTE3* gene. CCP6 FISH Probe, derived from chromosome 6 specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 6 copies per cell.

### Cat. No.

### Volume

CT-PAC267-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

Other Patterns

- 1) Zhao CL, et al. *Hum Pathol.* 70:62-69 (2017).
- 2) Teshiba R, et al. *Pediatr Surg Int.* 27(2):193-8 (2011).
- 3) Neesen J, et al. *Cytogenet Genome Res.* 98(1):38-44 (2002).
- 4) Rappold GA, et al. *Genomics.* 13(4):1337-9 (1992).
- 5) DiBella LM, et al. *J Biol Chem.* 276(17):14366-73 (2001).

\* 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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CytoTest Inc.  
1395 Piccard Drive, Suite 308  
Rockville, MD 20850, USA