

## TNPO3/CCP7 FISH Probe Kit

### Introduction

The TNPO3/CCP7 FISH Probe Kit is designed to detect the human *TNPO3* gene located on chromosome band 7q32.1, along with the number of chromosome 7 copies per cell. The protein encoded by the *TNPO3* gene – also known as *IPO12*, *TRNSR*, *LGMD1F*, *LGMD2D*, *MTR10A*, *TRN-SR* or *TRN-SR2* – has been shown to be involved in HIV-1 infection, through interaction with the HIV-1 capsid protein.

### Intended Use

To measure the copy number of the human *TNPO3* gene located on chromosome band 7q32.1.

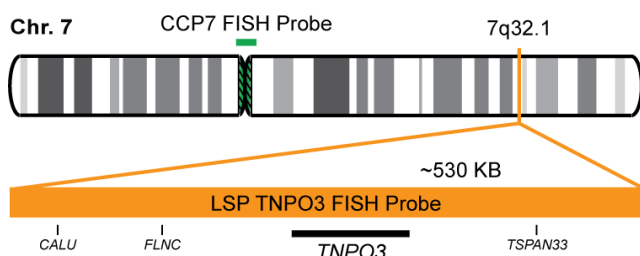
### Cont.

### Color

LSP TNPO3 FISH Probe  
CCP7 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP TNPO3 FISH Probe covers a chromosomal region which includes the entire *TNPO3* gene and some genomic sequences adjacent to the 5' and 3' ends of the gene. CCP7 FISH Probe, derived from chromosome 7-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 7 copies per cell.

### Cat. No.

### Volume

CT-PAC410-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

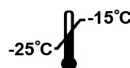
Other Patterns

- 1) Christ F, et al. *Curr Biol.* 18(16):1192-202 (2008).
- 2) Zhou L, et al. *PLoS Pathog.* 7(8):e1002194 (2011).
- 3) Valle-Casuso JC, et al. *J Virol.* 86(10):5931-6 (2012).
- 4) Houwer SD, et al. *J Biol Chem.* 289(36):25351-61 (2014).
- 5) Bochnakian A, et al. *J Virol.* 93(20):e00365-19 (2019).

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