

# NF1/CCP17 FISH Probe Kit

## Introduction

The NF1/CCP17 FISH Probe is designed to detect the human *NF1* gene located on chromosome band 17q11.2, along with the number of chromosome 17 copies per cell. Abnormal expression of this gene – also known as *WSS*, *NFNS* or *VRN* – has been observed in some juvenile leukemias, gastrointestinal stromal tumors and other tumor types. Mutations and deletions at the *NF1* locus are observed in Watson Syndrome and in Neurofibromatosis type I microdeletion syndrome individuals.

## Intended Use

To measure the copy number of the human *NF1* gene located on chromosome band 17q11.2.

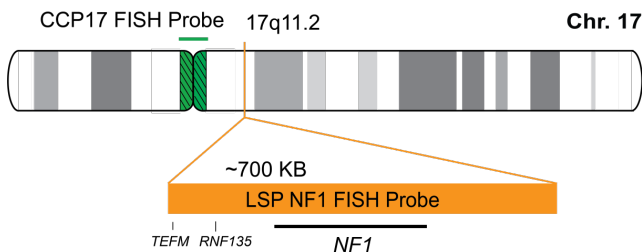
## Cont.

LSP NF1 FISH Probe  
CCP17 FISH Probe

## Color

CytoOrange  
CytoGreen

## Probe Design



Not to Scale

LSP NF1 FISH Probe covers a chromosomal region, which includes the entire *NF1* gene with some 3' and 5' flanking genomic sequences. CCP17 FISH probe DNA, derived from chromosome 17-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 17 copies per cell.

## Cat. No.

CT-PAC389-10-OG

## Volume

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

2O2G

### Abnormal Patterns

Other Patterns

1. Riva P, et al. Am. J. Hum. Genet. 66(1):100-109 (2000).
2. Venturin M, et al. J. Med. Genet. 41(1):35-41 (2004).
3. Dorschner MO, et al. Hum. Mol. Genet. 9(1):
4. Gervasini C, et al. Genomics 85(2):273-279 (2005).
5. Miettinen MM, et al. Hum. Pathol. 67:1-10 (2017).

\* 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

© CytoTest Inc.



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