

# NUP214/CCP9 FISH Probe Kit

## Introduction

The NUP214/CCP9 FISH Probe Kit is designed to detect the human *NUP214* gene located on chromosome band 9q34.13, along with the number of chromosome 9 copies per cell. Abnormalities in *NUP214* – also known as *CAN*, *CAIN*, or *D9S46E* – have been found in acute myeloid leukemia (AML), myelodysplastic syndrome (MDS) and many other hematological malignancies.

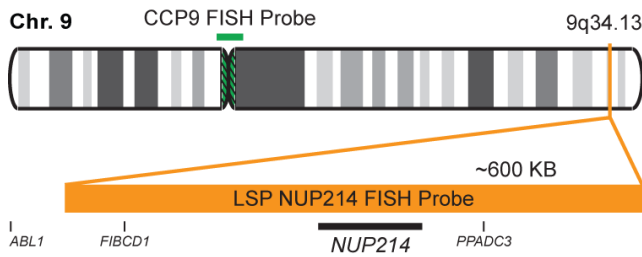
### Intended Use

To measure the copy number of the human *NUP214* gene located on chromosome band 9q34.13.

Cont.	Color
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LSP NUP214 FISH Probe CCP9 FISH Probe	CytoOrange CytoGreen
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## Probe Design



LSP NUP214 FISH Probe covers a chromosomal region which includes the entire *NUP214* gene. CCP9 FISH Probe, derived from chromosome 9-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 9 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC144-10-OG	10 Tests (100 µL)
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### Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
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2O2G	Other Patterns
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- 1) Pearson MG, et al. *Am J Hematol.* 18(4):393-403 (1985).
- 2) Lillington DM, et al. *Leukemia.* 7(4):527-31 (1993).
- 3) Oyarzo MP, et al. *Am J Clin Pathol.* 122(3):348-58 (2004).
- 4) Slovak ML, et al. *Leukemia.* 20(7):1295-7 (2006).
- 5) Koleva RI, et al. *Blood.* 119(21):4878-88 (2012).



CytoTest Inc.  
9430 Key West Ave., Suite 210  
Rockville, MD 20850, USA

\* 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.