

# MCL1/CCP1 FISH Probe Kit

## Introduction

The MCL1/CCP1 FISH Probe Kit is designed to detect the human *MCL1* gene located on chromosome band 1q21.3, along with the number of chromosome 1 copies per cell. Abnormal expression or rearrangements of the *MCL1* gene – also known as *mc1/EAT*, *bcl2-L-3*, *TM*, *Mcl-1*, *MCL1S*, *MCL1L*, *MCL1-ES*, *EAT* or *BCL2L3* – have been observed in chronic myelogenous leukemia (CML), multiple myeloma (MM), B-cell non-Hodgkin's lymphomas and other malignancies.

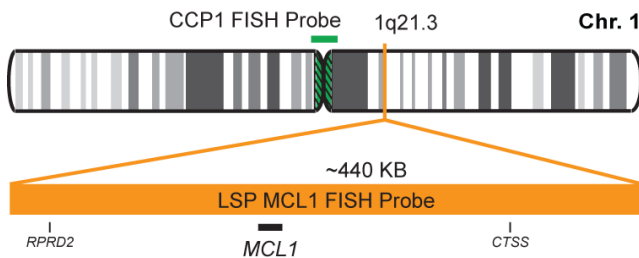
### Intended Use

To measure the copy number of the human *MCL1* gene located on chromosome band 1q21.3.

Cont.	Color
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LSP MCL1 FISH Probe	CytoOrange
CCP1 FISH Probe	CytoGreen

## Probe Design



LSP MCL1 FISH Probe covers a chromosomal region which includes the entire *MCL1* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC140-10-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) Cho-Vega JH, et al. *Hum Pathol.* 35(9):1095-100 (2004).
- 2) Grabow S, et al. *Blood.* 124(26):3939-46 (2014).
- 3) Dzhagalov I, et al. *J Immunol.* 81(1):521-8 (2008).
- 4) Dunkle A, et al. *Cell Death Dis.* 2:e214 (2011).
- 5) Harnett CC, et al. *Cell Biochem Funct.* 33(5):334-40 (2015).



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\* 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.