

# ASS1/CCP9 FISH Probe Kit

## Introduction

The ASS1/CCP9 FISH Probe Kit is designed to detect the human *ASS1* gene located on chromosome band 9q34.11, along with the number of chromosome 9 copies per cell. Abnormalities in *ASS1* – also called *ASS* or *CTLN1* – occur in citrullinemia type I (CTLN1), also known as classic citrullinemia.

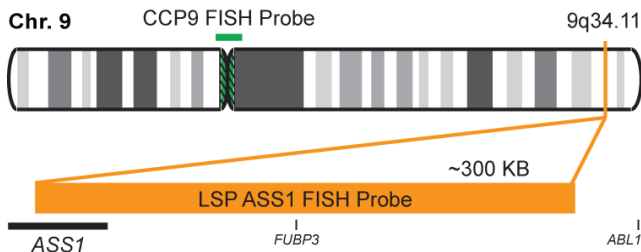
### Intended Use

To measure the copy number of the human *ASS1* gene located on chromosome band 9q34.11.

Cont.	Color
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LSP ASS1 FISH Probe	CytoOrange
CCP9 FISH Probe	CytoGreen

## Probe Design



LSP ASS1 FISH Probe covers a chromosomal region which includes the *ASS1* gene and some genomic sequences adjacent to the 3' end of the 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-PAC111-10-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) Carritt B. *Cytogenet Cell Genet.* 19(1):44-8 (1977).
- 2) Kobayashi K, et al. *Mol Biol Med.* 8(1):95-100 (1991).
- 3) Gao HZ, et al. *Hum Mutat.* 22(1):24-34 (2003).
- 4) Engel K, et al. *Hum Mutat.* 30(3):300-7 (2009).
- 5) Laróvere LE, et al. *Clin Biochem.* 42(10-11):1166-8 (2009).



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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.