

# ATM/GLI1 FISH Probe Kit

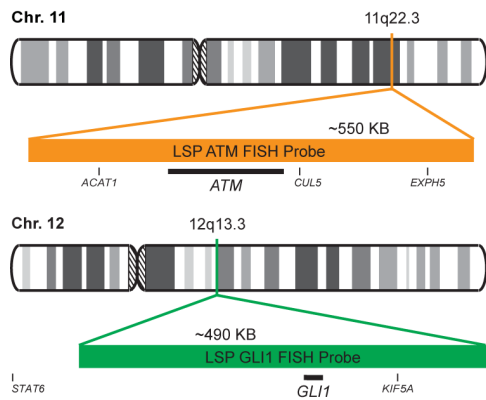
## Introduction

The ATM/GLI1 FISH Probe Kit is designed to detect rearrangements involving the human *ATM* and *GLI1* genes located on chromosome bands 11q22.3 and 12q13.3, respectively. Abnormalities in *ATM* – also known as *AT1*, *ATA*, *ATC*, *ATD*, *ATE*, *ATDC*, *TEL1* or *TELO1* – occur in ataxia telangiectasia, and have also been observed in chronic lymphocytic leukemia (CLL) and other malignancies. The *GLI1* gene – also called *GLI* – is an oncogene that is expressed and sometimes amplified in several human cancers.

Intended Use
To measure the copy number of the human <i>ATM</i> and <i>GLI1</i> gene located on chromosome band 11q22.3 and 12q13.3, respectively.

Cont.	Color
LSP ATM FISH Probe LSP GLI1 FISH Probe	CytoOrange CytoGreen

## Probe Design

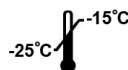


LSP ATM FISH Probe covers a chromosomal region which includes the entire *ATM* gene. LSP GLI1 FISH Probe covers a chromosomal region which includes the entire *GLI1* gene.

Cat. No.	Volume
CT-PAC117-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G	<u>Abnormal Pattern</u> Other Patterns

- 1) Easton DF. *Int J Radiat Biol.* 66(6 Suppl):S177-82 (1994).
- 2) Broeks A, et al. *Am J Hum Genet.* 66(2):494-500 (2000).
- 3) Carpenter RL & Lo HW. *Vitam Horm.* 88:115-40 (2012).
- 4) Heikinheimo K, et al. *J Dent Res.* 86(6):544-9 (2007).
- 5) Yoon JW, et al. *J Biol Chem.* 277(7):5548-55 (2002).



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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.

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