

## 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 *ATM* and *GLI1* gene located on chromosome band 11q22.3 and 12q13.3, respectively.

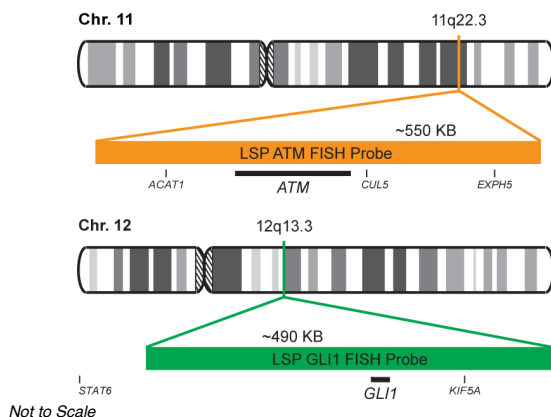
### Cont.

LSP ATM FISH Probe  
LSP GLI1 FISH Probe

### Color

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.

CT-PAC117-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

≤2O2≥G (except 2O2G),  
or others

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).

\* 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.