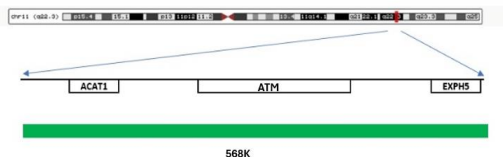


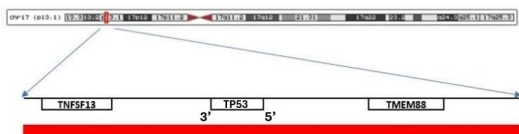
BRIGHTDOM FISH Probes: ATM (11q22.3)/TP53 (17p13.1)

ATM



568K

TP53



465K

Gene: ATM (11q22.3); Centromere 5'-3' Telomere

Labeled region (Green): hg38:chr11:108,007,596-108,575,689

Target size: 568K

Functionally critical region: ATM, labeled green.

Gene: TP53 (17p13); Telomere 3'-5' Centromere

Labeled region (Green): hg38:chr17:7,512,971-7,978,033

Target size: 465K

Functionally critical region: TP53 labeled orange.

Introduction: The ATM (11q22.3) gene FISH probe is optimized to detect the deletion of ATM gene at 11q22.3. The TP53 (17p13) gene FISH probe is optimized to detect the deletion of TP53 gene at 17p13.

ATM gene (green): The ATM gene (11q22.3) locus is labeled with a green dye.

TP53 gene (orange): The TP53 gene (17p13) locus is labeled with an orange dye.

Signal Patterns: The ATM (11q22.3)/TP53 (17p13.1) FISH probes are designed to detect the deletion of ATM and TP53 genes in hematologic neoplasms and other types of tumors.