

Poseidon™ Repeat Free™ 20q- (PTPRT 20q12) & SE 20 Control probe

Introduction: A Chromosome 20q deletion is a recurring abnormality in a wide spectrum of myeloid disorders. The majority of cases have an interstitial deletion between 20q11.2 and q12.3 proximally flanked by D20S206 and distally by D20S119. As a single anomaly, the del(20q) has a favorable prognosis.

Intended use: The **20q- (20q12)** specific DNA Probe is optimized to detect copy numbers of 20q at region 20q12.
The Chromosome 20 Satellite enumeration probe is included to facilitate chromosome identification.

The probe is recommended to be used in combination with a Poseidon FISH Kit providing necessary reagents to perform FISH (KBI-60002, KBI-60003 or KBI-60001) for optimal results.

Critical region 1 (red): The **20q- (20q12)** specific DNA probe is direct-labeled with PlatinumBright550.

Control region 2 (green): The **SE 20** control DNA probe is direct-labeled with PlatinumBright495.

Reagent: Poseidon probes are direct-labeled DNA probes provided in a ready-to-use format. Apply 10 µl of probe to a sample area of approximately 22 x 22 mm.

Please refer to the Instructions for Use for the entire Poseidon FISH protocol.

Poseidon Repeat Free probes do not contain Cot-1 DNA. Hybridization efficiency is therefore increased and background, due to unspecific binding, is highly reduced.

Interpretation: The **20q- (20q12)** probe is designed as a dual-color assay to detect deletions at 20q12. Deletions involving the 20q12 region will show one red signal and two green signals at the chromosome 20 centromere control region (1R2G). Two single color red (R) and green (G) signals will identify the normal chromosomes 20 (2R2G).

	Normal Signal pattern	Del(20q12)
Expected signals	2R2G	1R2G

References: Asimakopoulos F et al, 1996, Blood, 87; 1561-1570
Wang P et al, 1998, Genes Chromosome Cancer, 21;

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Application Manual

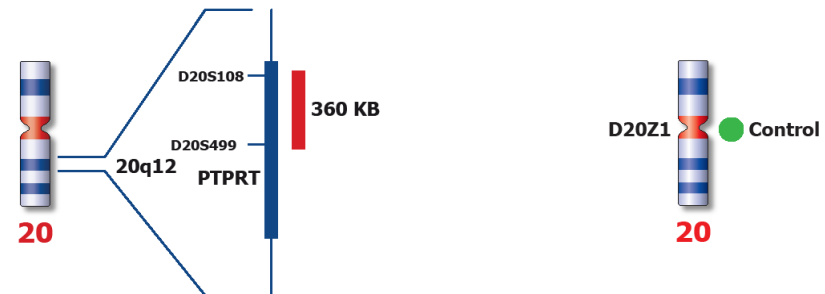
KBI-10203

ON 20q- (PTPRT 20q12) / SE 20



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Application manual