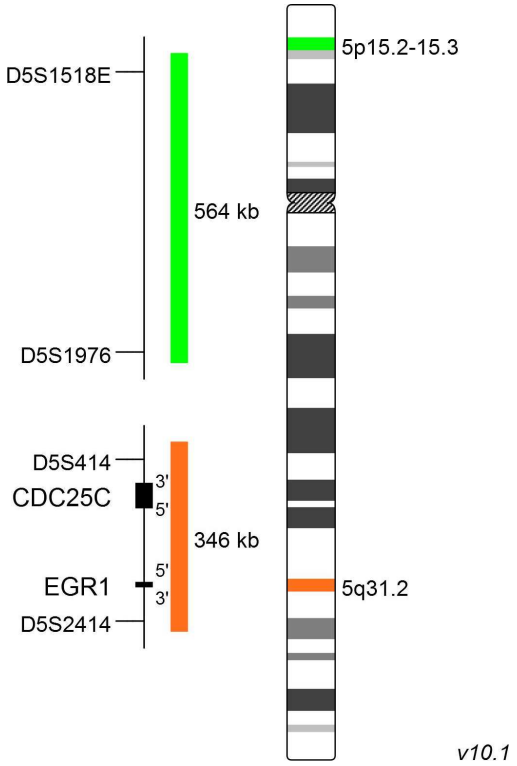
XL Del(5)(q31)

Deletion Probe, Ref. No. D-5085-100-OG

XL Del(5)(q31) is an improved variant of XL 5q31 D-5066-100-OG which will be discontinued. The orange labeled probe is designed to hybridize to the chromosomal region at 5q31. The original green control locus at 5p15.3 was enlarged and has been moved to 5p15.2-15.3, a region used in comparable products offered by other market players.

Partial or complete deletions of the long arm of chromosome 5 are the most common cytogenetic aberrations in patients with myelodysplastic syndromes (MDS). The two regions, 5q31 and 5q32-q33, are playing a critical role in the pathogenesis of del(5q) MDS. Deletion of the common deleted region at 5q31 is associated mainly with acute myeloid leukemia and some forms of MDS. Fluorescence in situ hybridization improves the detection of 5(q31) deletions in MDS without cytogenetic evidence of 5q-.



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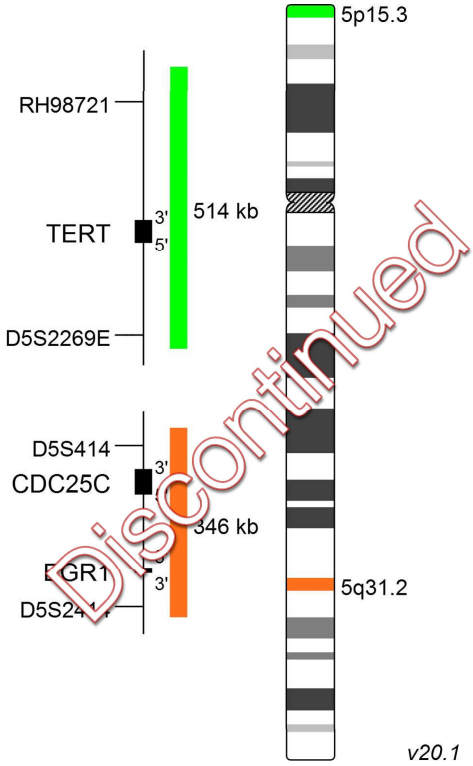

XL 5q31
D-5066-100-OG

FACT SHEET

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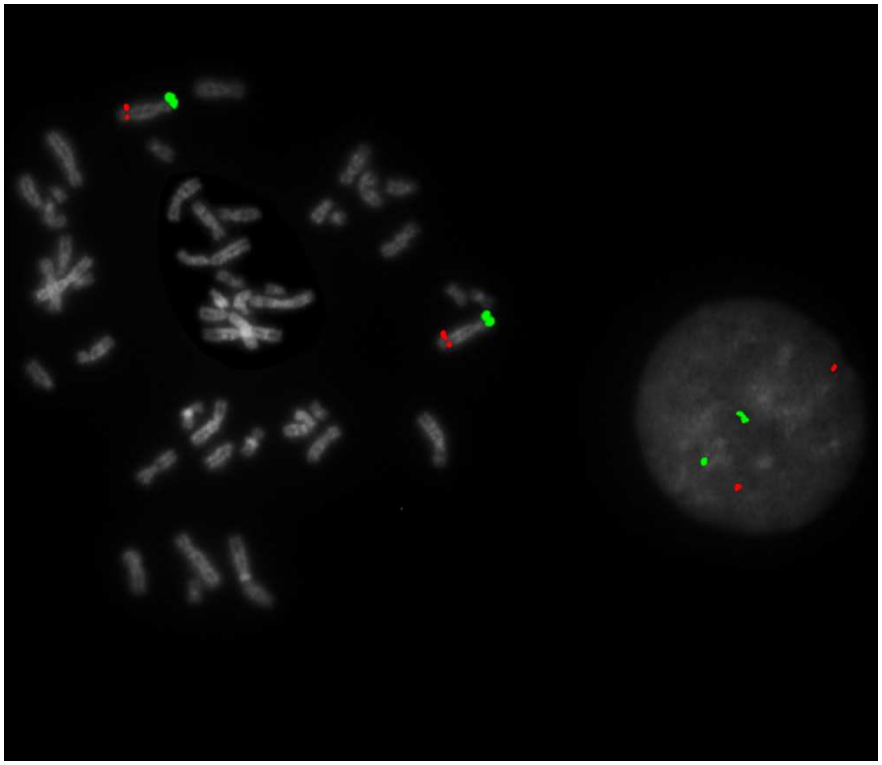

XL Del(5)(q31) hybridized to lymphocytes. One normal interphase and metaphase are shown.

Summary

Clinical Applications:

- MDS, AML

Related Probes:

- XL 5q31 D-5066-100-OG discontinued
- XL 5q33 D-5057-100-OG discontinued
- XL 5q31/5q33 D-5042-100-OG
- XL 5q31/5q33/5p15 D-5081-100-TC
- XL Del(5)(q33) D-5091-100-OG

Literature:

- Horrigan et al (2000) Blood 95:2372-2377
- Ebert et al (2008) Nature 451:335-339
- Mallo et al (2008) Heamatologica 93:1001-1007