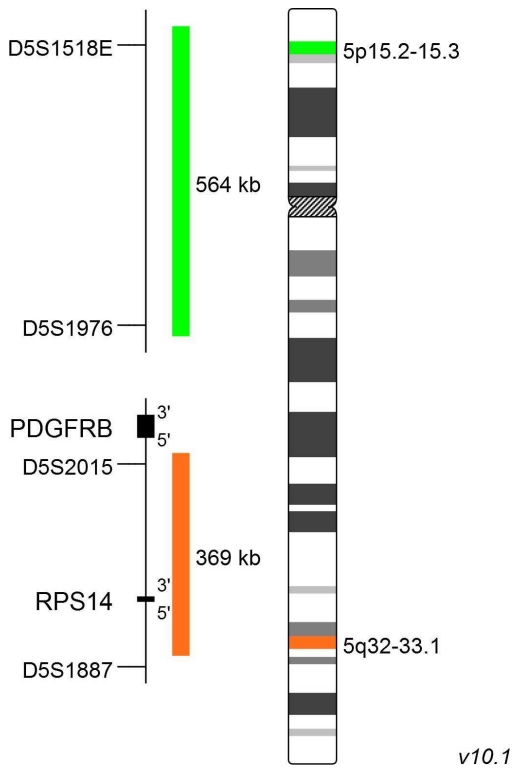


XL Del(5)(q33)

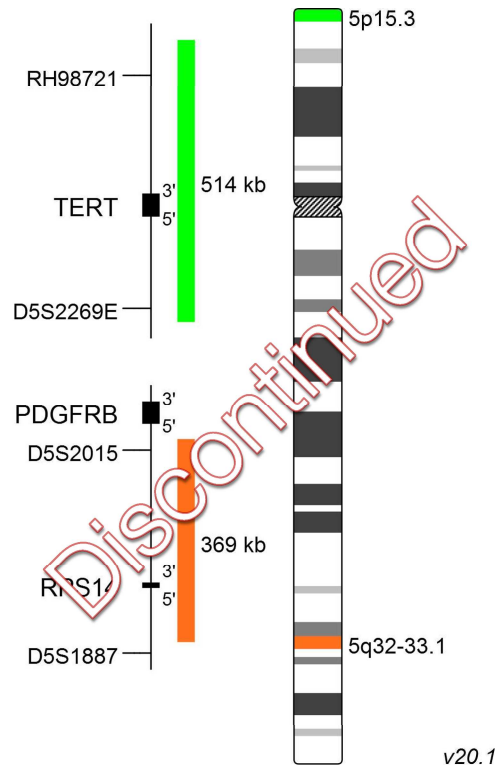
Deletion Probe, Ref. No. D-5091-100-OG

XL Del(5)(q33) is an improved variant of XL 5q33 D-5057-100-OG which will be discontinued. The orange labeled probe is designed to hybridize to the chromosomal region at 5q32-33. 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 5q32-q33 is associated with the 5q-syndrome which is recognized as a distinct clinical entity with isolated del(5q) according to the WHO classification.

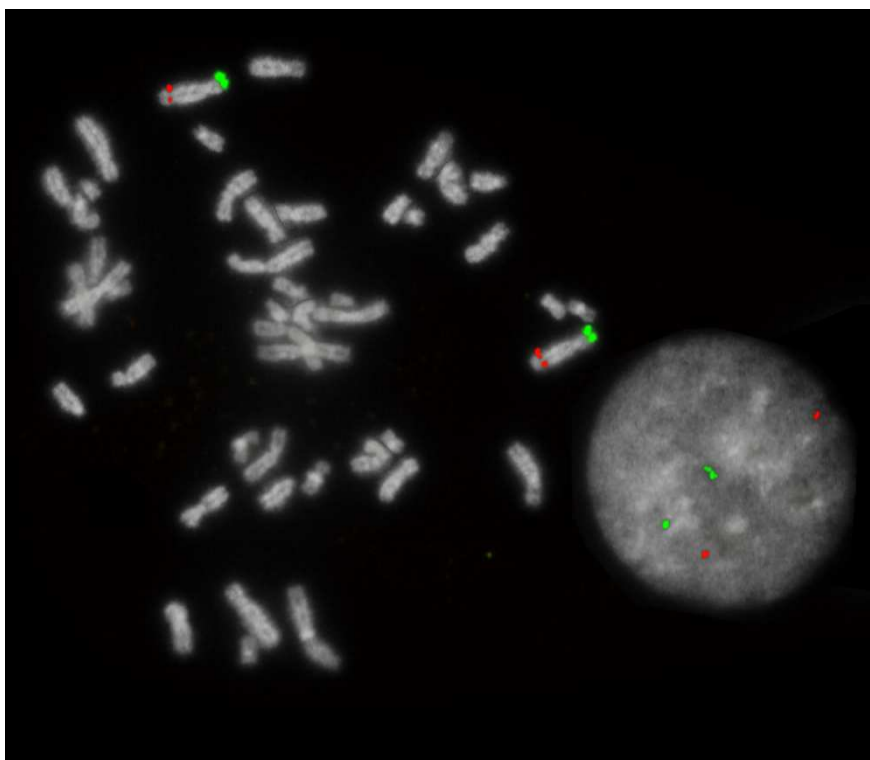


**XL Del(5)(q33)
D-5091-100-OG**



**XL 5q33
D-5057-100-OG**

FACT SHEET



XL Del(5)(q33) 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

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Literature:

- Horrigan et al (2000) Blood 95:2372-2377
- Boulwood et al (2002) Blood 99:4638-4641
- Ebert et al (2008) Nature 451:335-339

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