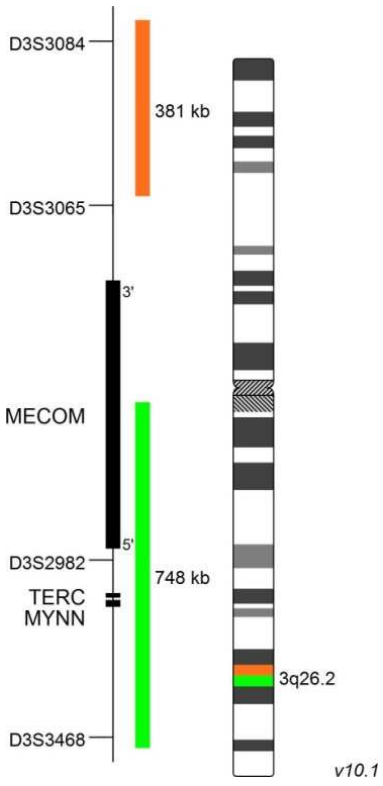
XL MECOM 3q26

Break Apart Probe, Ref. No. D-5059-100-OG

XL MECOM 3q26 is replacing the proven XL EVI1 D-5036-100-TC probe. Recent research findings suggest that a reliable differentiation between translocations and inversions according to breakpoints is not possible. Consequently, the new XL MECOM 3q26 is designed as a two color probe. The orange and green labeling was increased significantly in size to achieve brighter signals.

Chromosomal translocations involving MECOM are a recurrent finding in myeloid leukemia and are associated with poor prognosis. Two common recurrent rearrangements affecting the 3q26 locus are inv(3)(q21q26) and t(3;3)(q21;q26) in which EVI1 overexpression is caused by juxtaposition of the EVI1 gene to enhancer elements of the Ribophorin gene at 3q21.



XL MECOM 3q26
D-5059-100-OG

XL EVI1
D-5036-100-TC

FACT SHEET

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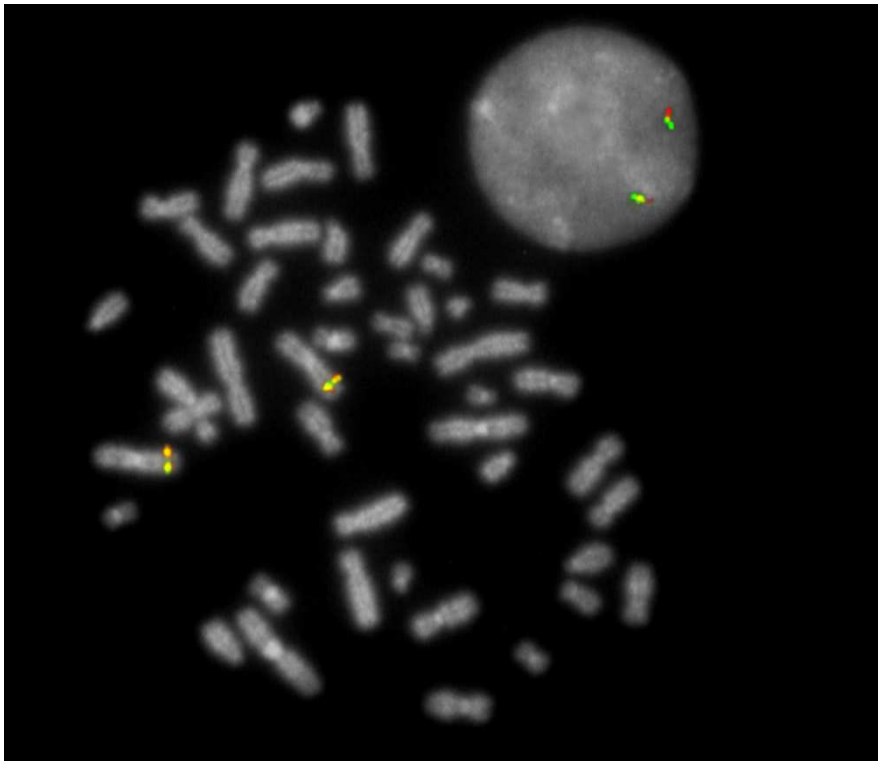

XL MECOM 3q26 hybridized to lymphocytes. One normal metaphase and one normal interphase are shown.

Summary

Clinical Applications:

- AML, MDS

Related Probes:

- XL EVI D-5036-100-TC *discontinued*

Literature:

- Lugthart et al (2008) Blood 111:4329-4337
- De Melo et al (2008) Leukemia 22:434-437
- De Braekeleer et al (2011) Anticancer Res 31:3441-3448

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