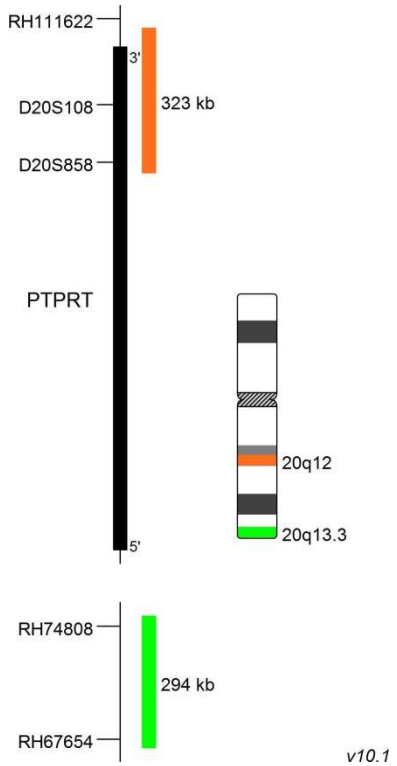
XL 20q12/20qter plus

Deletion Probe, Ref. No. D-5121-100-OG

XL 20q12/20qter plus is replacing the proven XL 20q12/20qter D-5040-100-OG. An orange labeled probe hybridizes to 20q12 to the proximal part of PTPRT and a green labeled probe hybridizes to the q-terminal region of the long arm of chromosome 20. XL 20q12/20qter plus detects deletions and indicates the presence of ider(20q). The newly designed probe ensures low background and brilliant signals. XL 20q12/20qter is approved for 1h hybridization.

A chromosome 20q deletion is seen in about 4% of MDS and 1-2% of AML cases. Patients with a sole del(20q) have a favourable outcome compared to patients with additional abnormalities such as del(5q), del(7q), monosomy 7 and trisomy 8. The majority of patients with del(20q) are showing an interstitial deletion. In rare cases, the 20q deletion can occur as ider(20q) with loss of the p-arm of chromosome 20 and partial trisomy of the remaining regions of the q-arm. Loss of genes located on the short arm might be responsible for the worse prognosis of ider(20q) compared to del(20q).



XL 20q12/20qter plus
D-5121-100-OG

XL 20q12/20qter
D-5040-100-OG

FACT SHEET

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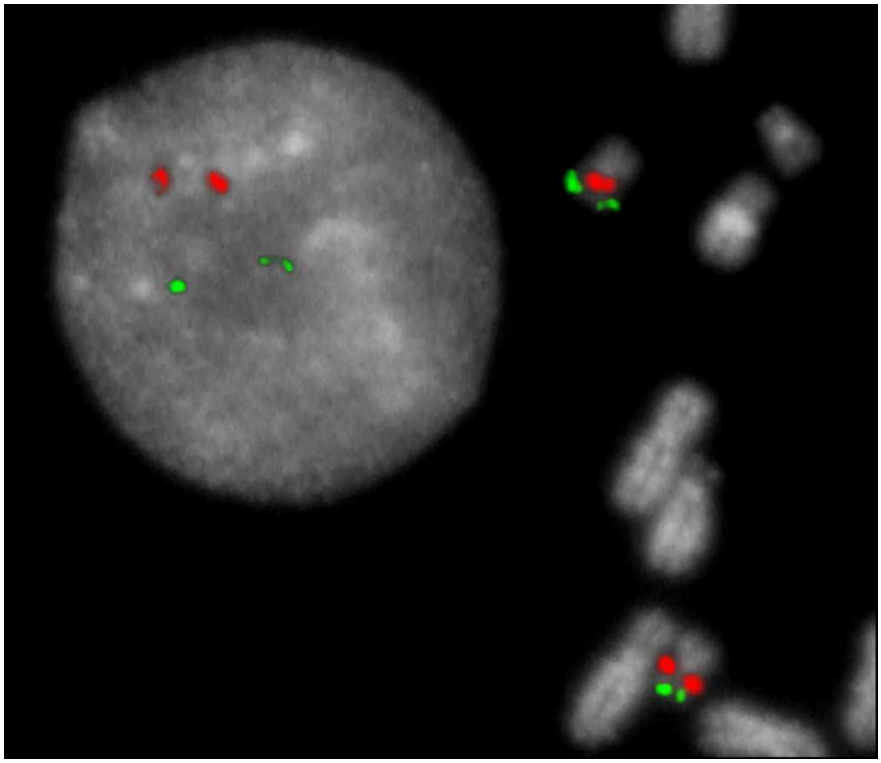

XL 20q12/20qter plus hybridized to lymphocytes. One normal interphase and one partial metaphase are shown.

Summary

Clinical Applications:

- MDS, AML

Related Probes:

- XL 20q12/20qter D-5040-100-OG *discontinued*
- XL Del(20q) plus D-5119-100-OG

Literature:

- Bench et al (2000) Oncogene 19:3902-3913
- Douet-Gilbert et al (2008) Br J Haematol 143:716-720
- Bacher et al (2013) Br J Haematol 164:822-833

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