500 Chipeta Way, Salt Lake City, Utah 84108-1221

phone: 801-583-2787, toll free: 800-522-2787   **Patient Age/Gender:**   Unknown

Tracy I. George, MD, Chief Medical Officer

Specimen Collected: 16-Nov-20 16:05

X-FISH, Interphase, CD138+ Cells	**Received: 25-Nov-20 14:19**	**Report/Verified: 25-Nov-20 14:55**
Result	**Units**	**Reference Interval**

Chromosome FISH, Interphase	See Note [f1 i1]		Normal
EER Chromosome FISH, Interphase	See Note		

Result Footnote

f1:   Chromosome FISH, Interphase
        Specimen Received
        Specimen Type: Bone marrow (CD138+)
        Reason for Referral: del(13)(q14.3)
        Test Performed: FISH, Interphase

        ABNORMAL FISH RESULTS
        13q14/13q34 (D13S319/LAMP1): deletion present

        DIAGNOSTIC IMPRESSION:
        Fluorescence in situ hybridization (FISH) analysis was performed with the D13S319 probe (with LAMP1 at
        13q34 as a control) (MetaSystems) on CD138+ sorted cells (STEMCELL Technologies, Inc.). 200 interphase
        cells were scored.

        This analysis showed evidence of a deletion of both the D13S319 and LAMP1 loci in 188/200 (94.0 percent)
        cells scored.

        Please correlate this result with clinical and other laboratory findings.

        ISCN:
        nuc ish(D13S319x1,LAMP1x1)[188/200]

        This result has been reviewed and approved by ████████████████████████

Test Information

i1:   Chromosome FISH, Interphase
        INTERPRETIVE INFORMATION: Chromosome FISH, Interphase

        This test was developed and its performance characteristics determined by ARUP
        Laboratories. It has not been cleared or approved by the US Food and Drug
        Administration. This test was performed in a CLIA certified laboratory and is
        intended for clinical purposes.

---

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing Lab

---

Unless otherwise indicated, testing performed at:

ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 20-321-900240

Report Request ID: 13692954

Printed: 10-Dec-20 15:58

Page 1 of 1