DIAGNOSTIC 2292 West Commodore Way Ste 100 Seattle, WA 98199
CYTOGENETICS 800-328-2026 Fax 206-325-2975
INCORPORATED www.dxcyto.com

CYTOGENETIC ANALYSIS REPORT

Patient Name:	SAMPLE, JOHN	**Cytogenetics Number:**	NXX-XXXX
Date of Birth:	01/01/1981	**Cust. Specimen ID:**	XX-XXXX
Sex:	Male	**Collection Date:**	11/08/2016
Sample Type:	BONE MARROW	**Received Date:**	11/09/2016
Physician:	JANE DOCTOR, M.D.	**Reported Date:**	11/10/2016
Clinical Data:	ANEMIA, RULE OUT MDS		

ABNORMAL RESULTS: 47,XY,+8[10]/46,XY[10]

INTERPRETATION: G-banded chromosome analysis shows an abnormal male karyotype with gain (trisomy) of chromosome 8 in ten of twenty metaphase cells examined. Ten metaphase cells show an apparently normal male karyotype. Trisomy 8 is a recurrent abnormality seen primarily in myeloid neoplasms including MDS, MPNs and AML. When seen as a sole anomaly, it is not considered definitive evidence for MDS in the absence of morphological criteria, based on WHO classification. Trisomy 8 has been reported to generally be associated with an intermediate prognosis in MDS according to the IPSS-R.

Garcia-Manero, G. Myelodysplastic syndromes: 2015 Update on diagnosis,risk-stratification and management. American Journal of Hematology, Vol. 90, No. 9, September 2015

Schanz, J, et al., New comprehensive cytogenetic scoring system for primary myelodysplastic syndromes (MDS) and oligoblastic acute myeloid leukemia after MDS derived from an international database merge. J Clin Oncol. 2012 Mar 10;30(8):820-9

Greenberg, Tuechler, Schanz et al, Revised International Prognostic Scoring System (IPSS-R) for Myelodysplastic Syndrome, Blood 120: 2454, 2012.

CPT codes: 88237x2, 88264, 88280x4, 88291

Metaphases Counted:	20	Banding Technique:	G-BANDS
Metaphases Analyzed:	16	Banding Level:	350-400
Metaphases Karyotyped:	4	Cultures Established:	2

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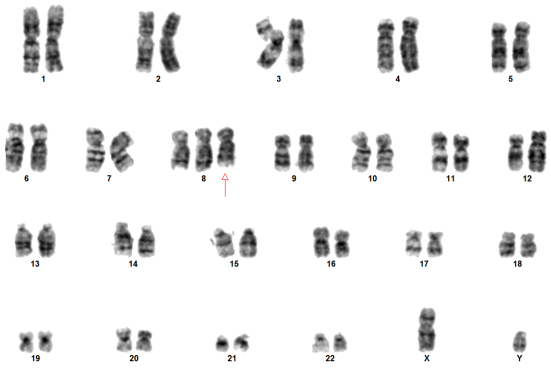

47,XY,+8

We will exercise our best efforts to accurately analyze the chromosome karyotypes of this specimen. However, the level of resolution in this G-banded analysis does not exclude the presence of small structural abnormalities.

Reviewed By:

INDIRA MEHTA, PH.D.

JANE DOCTOR, M.D.
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