

DEPARTMENT OF FISH & CYTOGENETICS

Blood Karyotyping Single

Heparin, Whole Blood

Chromosomal Analysis: GTG Banding

Method Used	: 72 Hr PHA stimulated culture
Specimen type	: Heparinized Peripheral Blood
Specimen Adequacy	: Adequate
Clinical Indication	: ? Fertility related investigations

Banding Resolution	: 400-550 bphs
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Cytogenetic Profile

Metaphases Counted	20
Metaphases Analyzed	20
Metaphases Karyotyped	05

Karyotype

Total Chromosome Number	46
Autosomes	44
Sex Chromosomes	: 2(XX)

Observation	: 46,XX
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Interpretation

There is no evidence of any structural or numerical abnormality in any of the cells studied. The karyotype is suggestive of a normal female chromosome complement. However, the possibility of the presence of submicroscopic or cryptic rearrangements cannot be ruled out.

Limitation: Low grade clonal rearrangements and/or the presence of submicroscopic or cryptic abnormalities may not be evident on conventional karyotyping. Reported as per ISCN 2020

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