

## DEPARTMENT OF FISH & CYTOGENETICS

**Blood Karyotyping Single**  
Heparin, Whole Blood

### Chromosomal Analysis: GTG Banding

<b>Method Used</b>	: 72 Hr PHA stimulated culture
<b>Specimen type</b>	: Heparinized Peripheral Blood
<b>Specimen Adequacy</b>	: Adequate
<b>Clinical Indication</b>	: ? Fertility related investigations
<b>Banding Resolution</b>	: 400-550 bphs
<b>Cytogenetic Profile</b>	
Metaphases Counted	20
Metaphases Analyzed	20
Metaphases Karyotyped	05
<b>Karyotype</b>	
Total Chromosome Number	46
Autosomes	44
Sex Chromosomes	: 2 (XX)
<b>Observation</b>	: 46,XX

### 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, there is presence of increase in length of the heterochromatic region of one of the chromosomes 9 and increase in the length of satellite on the short arm of one of the chromosomes 22. These heteromorphisms are considered to be polymorphic variants which might not have any clinical significance.

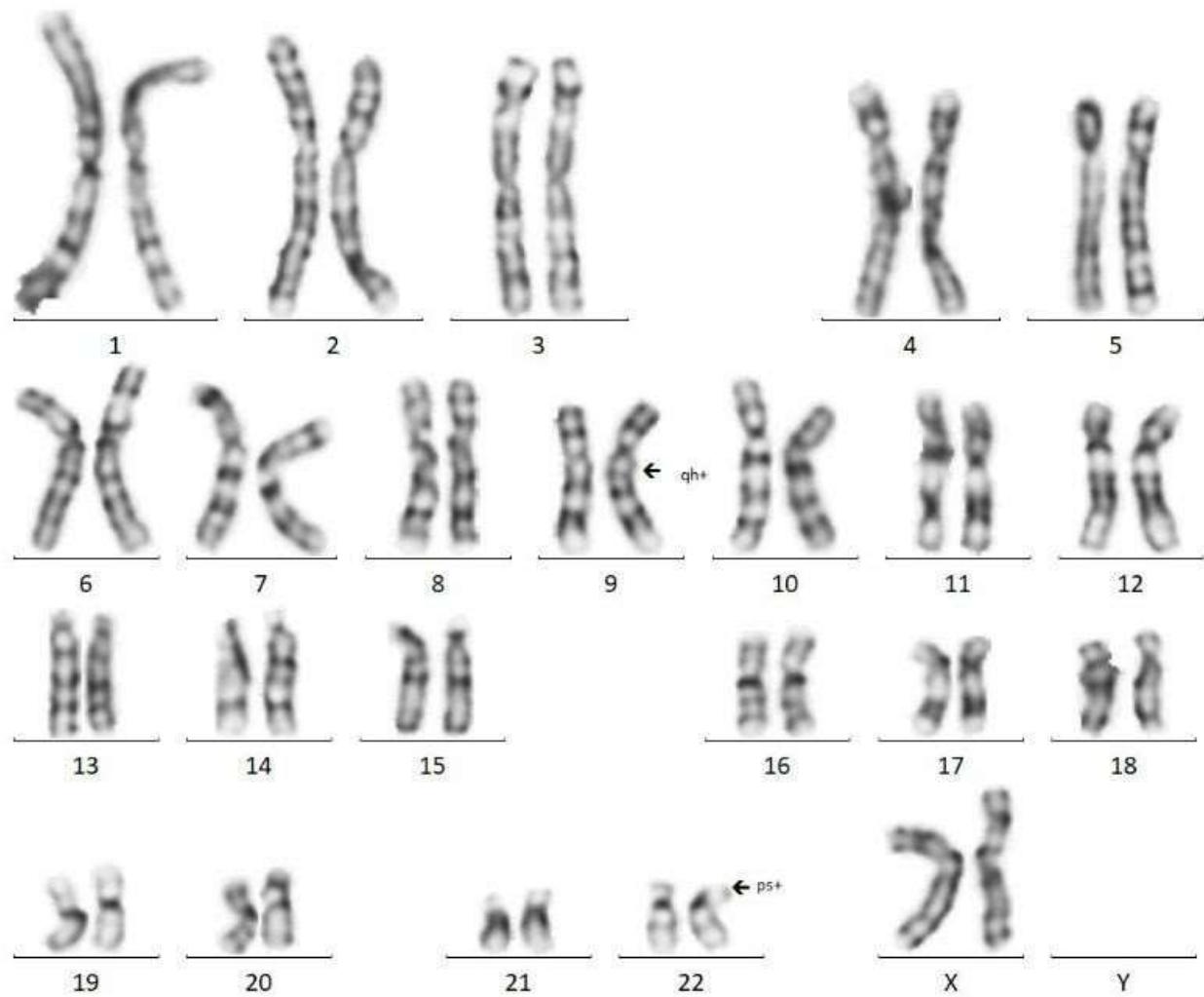
**Genetic counselling is recommended.**

### Reference:

Madon P F, et al., 2005 *Reprod Biomed Online*: 11(6):726-32.

*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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\*\*\* End Of Report \*\*\*