

CYTOGENETIC ANALYSIS REPORT

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|-----------------------|-------------------------------------|-----------------------------|------------|
| Patient Name: | DOE, JANE | Cytogenetics Number: | 09-XXXX |
| Date of Birth: | XX-XX-XXXX | Collection Date: | 03/25/2009 |
| Sex: | Female | Received Date: | 03/25/2009 |
| Specimen Type: | AMNIOTIC FLUID | Reported Date: | 03/29/2009 |
| Physician: | | | |
| Clinical Data: | OMPHALOCELE CHOROID PLEXUS CYSTS | | |

Results: ABNORMAL RESULTS: 47,XY,+18

INTERPRETATION: Abnormal karyotype with 47 chromosomes due to an extra chromosome 18. This is consistent with the clinical findings of trisomy18 (Edwards syndrome).

RECOMMENDATIONS:

1. Genetic counseling.
2. Monitor subsequent pregnancies with prenatal diagnosis.

CLONAL ANALYSIS*

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|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |

*hypo (≤45) and hyper (≥47) diploid cells are considered to be the result of artificial loss and gain of chromosomes occurring during preparation unless otherwise stated.

| | | | |
|-------------------------------|----|---------------------------|---------|
| Metaphases Counted: | 15 | Banding Technique: | G-BANDS |
| Metaphases Analyzed: | 2 | Banding Level: | 450-500 |
| Metaphases Karyotyped: | 3 | | |
| Metaphase Partials: | 5 | | |

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. In addition, maternal cell contamination or low level mosaicism may not be detected.

Reviewed By: _____
 EILEEN BRYANT, PH.D.

CYTOGENETIC ANALYSIS REPORT

| | | | |
|-----------------------|-----------------------|-----------------------------|------------|
| Patient Name: | SMITH, MARY | Cytogenetics Number: | 10-XXXX |
| Date of Birth: | XX/XX/XXXX | Patient Number: | XXXXXX-XX |
| Sex: | Female | Collection Date: | 03/15/2010 |
| Specimen Type: | AMNIOTIC FLUID | Received Date: | 03/15/2010 |
| Physician: | | Reported Date: | 03/21/2010 |
| Clinical Data: | ADVANCED MATERNAL AGE | | |

Results: 46,XX ; FEMALE KARYOTYPE

INTERPRETATION: Normal female karyotype without demonstrable abnormalities.

*hypo (≤45) and hyper (≥47) diploid cells are considered to be the result of artificial loss and gain of chromosomes occurring during preparation unless otherwise stated.

CLONAL ANALYSIS*

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|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| 45 | | | | | | | | | | | | | | | | | |

| Preparation Method | Count |
|--------------------|-------|
| CLONAL ANALYSIS | 19 |

| | | | |
|------------------------|----|--------------------|---------|
| Metaphases Counted: | 19 | Banding Technique: | G-BANDS |
| Metaphases Analyzed: | 2 | Banding Level: | 450-500 |
| Metaphases Karyotyped: | 3 | | |
| Metaphase Partials: | 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: _____
 KATHLEEN LEPPIG, M.D.