

PATIENT DETAILS

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|---------------------------|--|------------------------------|------------|
| Patient ID: | 1002214548 | Sample ID: | 2260000040 |
| Patient Name: | Chhavi Gupta | Age: | 32 Years/F |
| Requested Service: | DNA extraction and storage | Specimen Received on: | 03.05.2022 |
| Specimen : | Amniotic Fluid (cultured cells) | Reported on: | 28.06.2022 |
| Referring Centre: | Indraprastha Apollo Hospitals | Expiration date: | 23.04.2024 |
| Referring Doctor: | Dr. Anita Kaul | | |
| Referral Reason: | Non-consanguineous couple, G1 - A healthy 7-year-old male child, G2 - Missed abortion at 9 weeks, G3 - Missed abortion at 7 weeks, G4 - Present pregnancy - USG at 18 weeks 2 days shows hypoplastic nasal bone and intracardiac echogenic focus; quadruple marker shows high risk for Trisomy 21 (1:192). | | |

DNA STORAGE REPORT

DNA STORAGE is a service offered by Lilac Insights to Extract the DNA from any prenatal or postnatal sample received and to store it for future diagnostic testing, if required. The extracted DNA is stored at -80°C for the period of 24 months or until its retrieval request for any diagnostic test, whichever is earlier.

DNA Extraction details:

Method of DNA Isolation: Column based DNA Extraction, Make: Qiagen

Method of Quantification: QIAxpert/ Qubit

Comment: DNA concentration and purity of DNA was estimated by using QIAxpert.

DNA QUALITY AND QUANTITY:

| PATIENT ID | Purity (A ₂₆₀ /A ₂₈₀)* | DNA Concentration (ng/μl) | Total volume of extracted DNA (μl) | Total DNA yield (ng) |
|------------|--|------------------------------|---------------------------------------|-------------------------|
| 1002214548 | 1.9 | 196 | 50 | 9800 |



Dr. Sam Balu
Deputy General Manager
Genomics

IMPORTANT NOTE:

- ❖ Isolated DNA will be stored for a period of 24 months from the Date of Extraction. ^{1,2,3,4}
- ❖ Stored DNA sample can be retrieved only once.
- ❖ After completion of assured storage period (24 Months) the DNA sample will be discarded unless otherwise consented by the patient, all the identity related to it will be erased. No further claims for said sample can be done thereafter.
- ❖ The stored DNA would not be used for any commercial or Research purpose, without patient's consent.
- ❖ In case of retrieval request, Patient needs to present the Nationalised Identity card as a proof along with this report so as to facilitate smooth service delivery.
- ❖ All DNA samples would be able to be retrieved complying with the PCPNDT act.

REFERENCES:

1. Jennifer Joiner , Molecular Staging Inc. New Technology Increases the Availability of High Quality DNA for Genetic Testing. CSR News, 2002
2. John G. Baust, Strategies for the Storage of DNA Biopreservation and Biobanking 6:251–252 (2008)
3. Lasken RS, Egholm M. Whole genome amplification: abundant supplies of DNA from precious samples or clinical specimens. Trends Biotechnol. 2003; 21:531–535.
4. https://www.colorado.edu/center/sites/default/files/attached-files/seracare_stability_of_genomic_dna_at_various_storage_conditions_isber2009.pdf

DISCLAIMER:

1. The above service/test is performed based on the sample received in the laboratory. There is a small chance of inadequate DNA quality or yield contingent on poor sample quality.
2. Despite all the necessary precautions and stringency adopted whilst performing DNA tests, the currently available data indicates that the technical error rate associated with all types of DNA analysis, is approximately 2%.
3. In case of all Prenatal specimens, it is recommended to rule out Maternal Cell Contamination (MCC) so as to ascertain that the extracted DNA from the received specimen is of fetal origin and is free from any maternal cell contamination.

| END OF REPORT |

