MomGuard™
Non Invasive Prenatal Test

Standard Test Report

Organization	Sample Company
Patient	Sample
DOB	92-10-07
Age/Gender	28 / F
Specimen	Whole blood

Registration No.	20210914-56510
Collection Date	2021-08-31
Receipt Date	2021-09-14
Analysis Date	2021-09-13
Report Date	2021-09-16

Patient Information

Number of Fetus	Single
Ultrasound Gestational Age	18W 0
Height / Weight	157 cm / 74 kg

Quality Control / Test Result

Cell Free DNA Quality	Sequencing Quality	Fetal Fraction	Standard Material Test Result
Pass	Pass	Pass(9.35%)	Pass

INTERPRETATION
Low Risk - The chance of the baby having a chromosomal abnormality is very low.
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Result Details

Chromosome Aneuploidies

Items (Disease Type)	Result	Risk Score
Trisomy 21 (Down Syndrome)	Low Risk	1/10439
Trisomy 18 (Edward Syndrome)	Low Risk	1/6770
Trisomy 13 (Patau Syndrome)	Low Risk	1/21418
Sex aneuploidy (mX, XXY, XXX)	Low Risk	1/14107

▣ *Test Method*
cfDNA is isolated from maternal blood and sequenced using Next Generation Sequencing (NGS) technology. Sequencing data is analyzed using in-house bioinformatics pipeline to identify fetal aneuploidy in the tested chromosomes. This test provides a result only when a sample meets the quality threshold.

▣ *Test Purpose & Limitation*
This test is a screening test for T21, T18, T13 and sex chromosome aneuploidy under the consent of the mother.
No analysis for sex chromosome aneuploidy is to be performed in case of twin.
This test is highly accurate, but not diagnostic. Therefore, if a confirmatory test is required according to the test result or the clinical situation of the mother, an amniocentesis or CVS should be performed. Very rarely, fetal sex information can be wrong for reasons such as vanishing twin.

MomGuard Performance Table

	Sensitivity	Specificity
Chromosome 21	98.65%	99.94%
Chromosome 18	100%	99.98%
Chromosome 13	100%	99.97%

- Overall PPV = 0.8502, NPV=0.9999
- Overall False Positive (FP) % = 0.02
- Overall False Negative (FN) % = 0.000

LabGenomics Co.,Ltd. Genetic Testing Lavoratory : No.23 Genetic Research Laboratory : NO.7

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Appendix

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▣ Disclaimer

MomGuard™ test by LabGenomics, represents a major advance in prenatal testing, providing accurate answers about fetal chromosomal aneuploidy without the risks associated with invasive procedures, such as amniocentesis or chorionic villus sampling (CVS).
MomGuard™ tests are intended for clinical use and should not be regarded as investigational or for research. This test has been developed, and the performance characteristics are determined by LabGenomics, which is certified under Korean Institute of Genetic Testing Evaluation as qualified to perform high complexity clinical testing.

ABOUT THIS APPENDIX: LabGenomics does not guarantee the results provided in this Appendix and presents the results for Trisomy listed below as a screening purpose. The "Result", which is used as a reference level, refers to the result for Trisomy mentioned in the below table. Considering the level of FPV and FNV, the below results are for reference purpose only.
The test does NOT tell with certainty if a fetus is affected, and only tests for the conditions ordered by the healthcare provider.
A low risk result does not guarantee an unaffected fetus.

▣ Test Limitation

-This is a screening test. Therefore, false positive and false negative results can occur. Clinical correlation with ultrasound findings and history is indicated.
-These results do not eliminate the possibility that this pregnancy may be associated with other chromosomal abnormalities, birth defects, or other complications. A negative test result does not preclude the presence of Trisomy 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 20, 22 abnormalities.

Additional Test Result

Chromosomal Abnormality	Result	Chromosomal Abnormality	Result
Trisomy 1	High Risk	Trisomy 11	Low Risk
Trisomy 2	Low Risk	Trisomy 12	Low Risk
Trisomy 3	Low Risk	Trisomy 13	Low Risk
Trisomy 4	Low Risk	Trisomy 14	Low Risk
Trisomy 5	Low Risk	Trisomy 15	Low Risk
Trisomy 6	Low Risk	Trisomy 16	Low Risk
Trisomy 7	Low Risk	Trisomy 17	Low Risk
Trisomy 8	Low Risk	Trisomy 19	Low Risk
Trisomy 9	Low Risk	Trisomy 20	Low Risk
Trisomy 10	Low Risk	Trisomy 22	Low Risk

**Note:* *The possibilities of FPV/FNV cannot be eliminated in "High Risk" results and confirmation through definite diagnostics (ex: amniocentesis) is essential. LabGenomics DOES NOT guarantee the results provided in this Appendix as a screening purpose.*

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Türkiye'nin
Her Bölgesinde Uzman Sağlık
Personelimiz İle Hizmetinizdeyiz.

MomGuard™

LabGenomics

illumina®

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MomGuard™

NIPT

Girişimsel Olmayan
Doğum Öncesi Tarama Testi

OMEGA GENETİK

Nipt Testi Nedir?

Gebeliğin erken döneminde , sık görülen kromozom anomalileri için bebeğinizin riskini ortaya koyan yüksek güvenilirlikte bir tarama testidir.

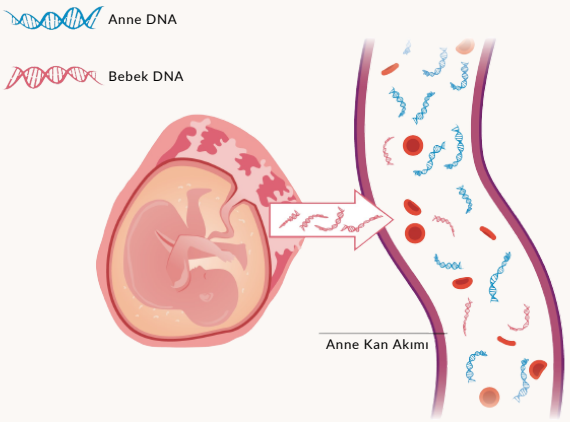
Neden Nipt Testi Yaptırmalıyım?

- Bebeğin DNA'sına bağlı tarama testi olması nedeniyle %100'e yakın güvenilirlik oranına sahiptir.
- Bebeğe, amniyon sıvısına, göbek kordonuna, plasentaya direkt cerrahi müdahale yapılmaksızın sadece anne kolundan alınan kan ile çalışılır.
- Anne ve bebek için güvenlidir.
- Erken dönemde teşhis ve tanıya imkan verir.
- Gebeliğin 10. haftasından itibaren yaptırılabilir.
- Hızlı ve güvenilir sonuç verir.
- Hem otozomal hem de cinsiyet kromozomları için tek bir test ile tarama imkanı sunar.
- Tekil gebelik, ikiz gebelik, donasyon, tüp bebek, kaybolan ikiz sendromunda da çalışılmaktadır.

MomGuard™ Standard

Doğum Öncesi Tarama Testi

Test	Standart
Trizomi 21 (Down Sendromu)	✓
Trizomi 18 (Edward Sendromu)	✓
Trizomi 13 (Patau Sendromu)	✓
Cinsiyet kromozomu anöploidi (Turner(mX), Kleinfelter (XXY) ve XXX Sendromu)	✓
Trizomi 1,2,3,4,5,6,7,8,9,10 11,12,14,15,16,17,19,20,22	✓



MomGuard™ Premium

Doğum Öncesi ve Doğum Sonrası Tarama Testi

Test	Premium
MomGuard™ Standard	✓
Lizozomal Depo Hastalıkları (Gaucher, Fabry, Pompe, Hurler, Hunter, Sanfilippo Tip A, B ,C ,D , Morquio Tip A, B, Maroteaux -Lamy, Sly Sendromu)	✓
Glikojen Depo Hastalıkları Glikojenozis tip Ia,Ib,III,IV,,V,VI,VII	✓
Anormal Bakır Metabolizması (Wilson Hastalığı)	✓
Doğuştan İşitme Kaybı (Pendred, Usher Sendromu Tip 1B, 1D, Non-sendromik işitme kaybı)	✓

*Yenidoğan tarama testi (IMS Plus) ile 27 hastalık taranmaktadır.