Bumrungrad International
โรงพยาบาลบำรุงราษฎร์

# NIPT Report

## Patient Details:

| | | | |
|---|---|---|---|
| **Patient ID** | 04-222 | **Clinician Name** | Barbara Banks |
| **Patient Forename** | Joni | **Hospital/Clinic Name** | Birmingham Hospital |
| **Patient Surname** | Warden | **Date of Blood Draw** | 13 Jun 2016 |
| **Patient Date of Birth** | 06 Jun 1989 | **Maternal Age (at test)** | 27 years |
| **Pregnancy Status:** | Singleton | **Gestation Age (at test)** | 15 |
| **IVF Pregnancy** | Yes | **Donor Age (at egg harvest)** | 27 years |

## Test Results:

| Trisomy | Background Risk | Risk Score | Clinical Summary |
|---|---|---|---|
| Trisomy 21 (Down's Syndrome) | 1 : $10^{CT}$ | > 95% | **High Risk** **Invasive Test Recommended** |
| Trisomy 18 (Edwards' Syndrome) | 1 : $50000^{CT}$ | < 1 : 1,000,000 (<0.0001%) | Low Risk |
| Trisomy 13 (Patau's Syndrome) | 1 : $50000^{CT}$ | < 1 : 1,000,000 (<0.0001%) | Low Risk |

**Fetal Fraction:** 11%

**Fetal Sex:** Female

## Supplementary Information:

- The detection rate of the IONA® test for trisomies 21, 18 and 13 is >99%.
- If fetal sex determination is requested, the accuracy is 99%. A "Sex Determination Failure" result may be reported if there is insufficient data to support the sex determination analysis. This is separate from the trisomy analysis and does not reflect on the quality of any other result generated by the IONA® test.
- The IONA® test estimates the risk of trisomies by determining the relative amounts of chromosomes 13, 18 and 21 in placentally-derived cell-free DNA extracted from the mother's plasma. The adjusted risk accounts for the background risk of the mother at the time of sampling (default). Additionally, the test may use the results of the First Trimester Combined Test as the background risk. If this has been done, a superscript $^{CT}$ will appear by the background risk next to any, or all, of the trisomy results.
- The IONA® test is a screening test and a high risk result should be discussed with the healthcare professional and confirmed by an appropriate diagnostic test (e.g. amniocentesis).
- The maternal age-adjusted risk score is capped. The cap is derived from an estimate of the prevalence of biological factors such as placental mosaicism. The result caps are: T21 >95%, T18 >75% and T13 >60%. These are the maximum risk estimates displayed on the report.
- In dichorionic twins, scientific publications suggest that the detection rate is reduced from greater than 99% to about 95%.
- A result with an IONA® test risk score greater than or equal to 1:150 (~0.67%) is considered high risk.

**This test is indicated for screening NOT diagnosis — (results should be reviewed and discussed with your healthcare provider)**

Originating sample ID: **S00007299**
Sequencing run and sample validity checks passed: **Yes**
IONA® Software version: **TOA**: 1.7.0.7833.746; **DAA**: 1.7.0.7833.572

Sample notes (if entered):

Reported by
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