Why choose IONA® Care+?

The most comprehensive clinical menu

Available from 10 weeks gestation

Results available within 3-5 days

High accuracy

<1%

Minimal redraw rate

Please speak to your healthcare provider to find out if IONA® Care+ is the right test for you.

Yourgene Genomic Services

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Scan the QR code to find out more about our range of NIPT services

E-123, Rev 1

IONA® care+

A fully comprehensive non-invasive prenatal screening test for genetic conditions.

+ An advanced, safe, fast and accurate prenatal screening test

What is Non-Invasive Prenatal Testing?

Non-Invasive Prenatal Tests (NIPT) estimate the risk of a fetus having Down's syndrome or certain other genetic conditions. NIPT is performed on a small maternal blood sample from as early as 10 weeks gestation. Results can be expected from your healthcare provider within 3-5 working days from sample receipt in the Yourgene Genomic Services laboratory in Manchester, UK.

Non-invasive screening enables pregnant women and their families to receive fast, safe and reliable results which reduces the need for invasive tests and the associated risks, reducing stress and anxiety for expectant parents.

Providing the right screening options for you is our priority, as such we provide a menu-based approach where you can select to be screened for:

- **Trisomy 21 (Down's Syndrome)**
- **Trisomy 18 (Edwards' Syndrome)**
- **Trisomy 13 (Patau's Syndrome)**
- **Fetal Sex Determination[1]**
- **Sex Chromosome Aneuploidies (SCA)[1]**
- **Autosomal Aneuploidies (AA)[1]**
- **Clinically relevant microdeletion syndromes[1]**

IONA® *care+*
Comprehensive menu

Please speak to your healthcare provider for further information.

What does IONA® Care+ screen for?

IONA® Care+ is a screening test which measures the likelihood that the fetus is affected by trisomy 21 (Down's syndrome); trisomy 18 (Edwards' Syndrome); trisomy 13 (Patau's Syndrome) and also:

Sex Chromosome Aneuploidies (SCA)

Sex Chromosome aneuploidies occur when there are changes to the expected number of chromosomes associated with sex determination, the X and Y chromosomes. These include Turner Syndrome, Triple X Syndrome, Klinefelter Syndrome and Jacobs Syndrome.

Autosomal Aneuploidies (AA)

All additional trisomies (the presence of an extra chromosome) or monosomies (having a single copy of a chromosome instead of the expected pair).

Microdeletions

Microdeletion syndromes are caused by chromosomal deletions that include several genes, but that are too small to be detected by conventional methods. Syndromes associated with microdeletions can present with a range of clinical features.

One of the most common microdeletion syndromes is DiGeorge Syndrome (22q11.2 deletion). IONA® Care+ screens for the 22q11.2 deletion alongside other clinically relevant microdeletions, associated with different conditions such as Prader-Willi, Angelman, 1p36 deletion, Cri-du-Chat and Wolf-Hirschhorn Syndrome.

The vast majority of microdeletions occur *de novo* i.e. they are not inherited from the parents. In some cases, however, they can be inherited from an apparently unaffected parent. Unlike common trisomies, microdeletions are not thought to be associated with advanced maternal age.

How accurate is IONA® Care+?

IONA® Care+ is a very accurate screening test, powered by IONA® Nx NIPT Workflow.

For the most up-to-date performance data please **scan the QR code to visit Yourgene's website.**

As with all NIPT, any high-risk results should be discussed with your healthcare provider and a follow up diagnostic test is recommended.

Yourgene Genomic Services offer a menu of NIPT options to suit your individual requirements:

	the IONA test	IONA *care*	IONA *care+*
Core Trisomies (T21, 18 and 13)	✓	✓	✓
Fetal Sex Determination[1]	✓	✓	✓
Sex Chromosome Aneuploidies (SCA)[1]		✓	✓
Autosomal Aneuploidies (AA)[1]		✓	✓
Microdeletions			✓

[1] for singleton and monochorionic twin pregnancies only.