hermony®



The quality choice for DiGeorge Syndrome (22q11.2 deletion) screening

22q11.2

is now part of the Harmony prenatal test menu. Early prenatal screening for 22q11.2 deletion combined with diagnosis enables informed choices and appropriate obstetrical and neonatal management.¹ Order 22q11.2 by selecting the check box on the Harmony requisition form.



Recommend the Harmony Test

Benefits of the Harmony test:



Flexible testing options and clinically relevant testing



Reliable timely results regardless of test options ordered



Minimise unnecessary invasive procedures due to false-positives²

Choose tests that are clinically relevant to your patients, not test panels for rare microdeletions. Each condition tested has an associated false-positive rate and adds to the total false-positive rate of the test.

Performance

22q11.2 Deletion

	Detection Rate	False-positive Rate
within the 3 Mb region*	75% ³	0.5%3

*including smaller nested deletions

Options for Ordering

Harmony prenatal test: Assesses the probability of fetal trisomy 21, trisomy 18, trisomy 13. Validated for use in twin and IVF pregnancies, including self and non-self donor pregnancies.⁴

Additional Test Offerings:

Fetal sex*

Monosomy X**

- Sex chromosome aneuploidy panel**
- 22q11.2**

Screening Option: DiGeorge Syndrome (22q11.2deletion)



22q11.2 deletion is the most common chromosomal microdeletion⁵

This condition may occur

1000In

It is the second most common cause of developmental delay after Down svndrome.7

Identify pregnancies which may be at increased risk early:

- Maternal age is not a risk factor for microdeletions⁶
- More than 90% of affected individuals have no family history of 22q11.2 deletion⁸
- 22g11.2 deletion is not reliably detected by routine screening or karyotype⁷





Clinically Relevant

22q11.2 deletion is the underlying cause of conditions described as DiGeorge syndrome and velocardiofacial syndrome (VCFS). Clinical presentation demonstrates a wide range of severity that cannot be predicted prenatally.

- Features are diverse and may include the following:9
- congenital heart disease
- palatal anomalies
- immune deficiency
- hypocalcemia

Other features may include renal anomalies, learning difficulties, developmental delays, and psychiatric illness.9

Early screening and diagnosis of 22q11.2 deletion affects management of pregnancy. If a pregnancy is affected with 22q11.2 deletion, the following is recommended:10

- anomalies such as congenital heart defect, cleft palate, etc.
- Screening for and coordinated management of associated
- Delivery at a tertiary care center



NIPT is a screening test. If a pregnancy is known to be at increased chance for 22g11.2 deletion based on family history or ultrasound findings, diagnostic testing should be considered.

conditions other than those expressly identified in this document. All women should discuss their results with their healthcare provider who can recommend confirmatory, diagnostic testing where appropriate. The Harmony prenatal test was developed and its performance characteristics determined by Ariosa Diagnostics, Inc. a CLIA-certified and CAP-accredited clinical laboratory in San Jose, CA USA. This testing service has



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Roche Diagnostics, Charles Avenue, Burgess Hill, West Sussex. United Kingdom. RHI5 9RY. Registration number 571546. Date of preparation: October 2018. Material number: MC-IE-00005. For healthcare professional use only. ©2018 Roche Diagnostics Limited. All rights reserved. HARMONY is a trademark of Roche. All other product names and trademarks are the property of their respective owners