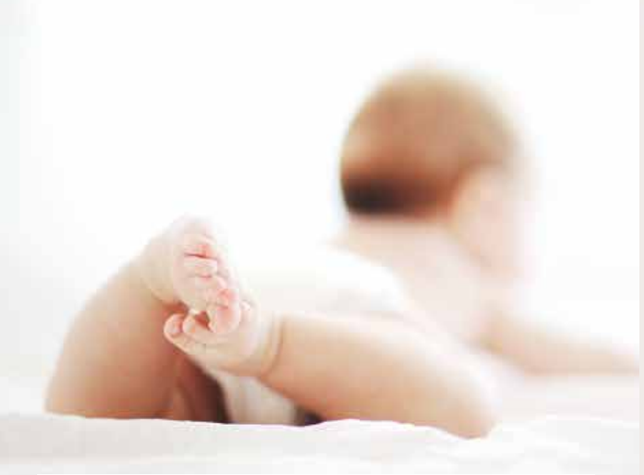

Why do a Newborn Screening Test?

Around
3-4%
of newborns are affected by a **genetic condition.***

- The genes screened for cause severe genetic disorders that start in early childhood, such as metabolic, endocrine and immunodeficiency disorders.

- **Early intervention may prevent intellectual and physical disabilities as well as life-threatening illnesses.**

*https://www.eurordis.org/IMG/pdf/princeps_document-EN.pdf

Igenomix®
WITH SCIENCE ON YOUR SIDE

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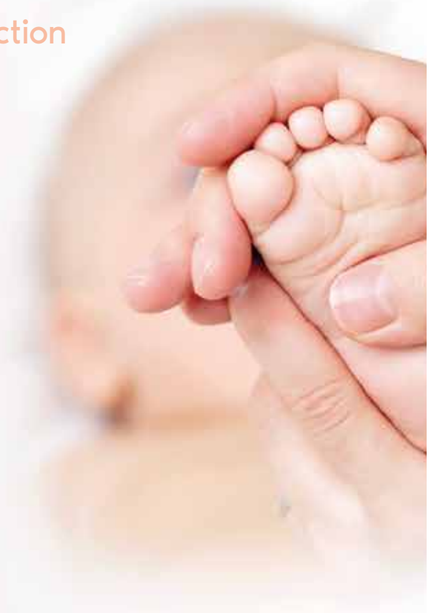
V. 2021

NBS
Newborn Screening
by Igenomix®

In newborn screening, early detection is key



Igenomix®
WITH SCIENCE ON YOUR SIDE

At Igenomix we care about the health of your newborn baby

The NHS newborn blood spot test (also known as the heel prick test) uses biochemical methods to screen for 9 inherited disorders that affect newborn babies.

Igenomix has developed an advanced newborn screening test that uses genetic testing to detect a wider range of diseases.

Igenomix Newborn Screening test uses the latest technology (NGS) **to detect more than 200 diseases in order to improve health outcomes and reduce morbidity** in newborns.

What is included and why?

The diseases included in the Igenomix Newborn Screening test have been selected using evidence-based medicine and includes:

- Diseases that **begin in infancy**
- Diseases that require **early intervention**
- Potentially **treatable and actionable** diseases

Why choose the Igenomix Newborn Screening test?

- Igenomix Newborn Screening Test is a comprehensive genetic test that **analyses 237 genes** to reach a rapid, accurate diagnosis using Next Generation Sequencing (NGS) technologies.

- In addition, this test identifies if a child is a **healthy carrier** of any of these **genetic disorders.**

* If requested, the test can provide information regarding the newborn's carrier status for the recessive diseases analysed in the test. In most cases, this will not result in clinical implications for the newborn, but this information may be of interest to parents for future family planning.

Our comprehensive approach to expanding newborn screening using whole exome sequencing

Disease Group	**Igenomix NBS** (200+ conditions)	**Conventional Newborn** (Heel-Prick Test)
Congenital errors of metabolism	✓	✓
Immunodeficiencies	✓	✗
Endocrine diseases	✓	✓
Haemoglobinopathies	✓	✓
Neuromuscular diseases	✓	✗
Deafness of genetic origin	✓	✗
Lung diseases	✓	✓

Who is the Igenomix NBS test for?

Indicated for all newborns. Performed as early as the first days of life.

Early treatment is crucial to prevent complications and improve the prognosis for newborns.

How does it work?

1. **Igenomix Genetic Counselling**
2. **Doctors/parents receive the test kit**
3. **Sample collection: bucal swab**
4. **Samples shipped to Igenomix**
5. **Igenomix perform testing and analysis**
6. **Generation and review of report**
7. **Results in 25 days**
8. **Igenomix Genetic Counselling***

*In positive cases or if there are questions regarding test results.