

What is Newborn Screening?

Newborn Screening is a test that can identify if a baby has a specific disorder, ideally before symptoms appear. Its purpose is to provide early identification and treatment to babies and prevent them from serious health conditions or even death. Most countries provide national newborn screening when the baby is born, for a limited number of disorders, usually through heel prick tests.

Why is Newborn screening important? - What are the benefits of early detection?

According to the 2012 study of Centers for Disease Control and Prevention (MMWR 2012 Jun 1;61(21):390-393) about 1 in every 300 babies is diagnosed with a manageable or treatable health condition through newborn screening. Early detection may prevent life-threatening complications or reduce their severity. Starting treatment as soon as possible is the most favorable way to prevent or minimize the impact of the condition.

Why perform Oreana in addition to national newborn screening?

Oreana complements national newborn screening programs by screening for more disorders and using advanced technology which provides accurate and fast results.

When is the optimal time to perform Oreana?

Oreana can be performed anytime after birth, up to early childhood. Ideally, the earlier the infant is tested, the sooner you will know whether they are affected, and start beneficial treatments that can prevent the onset of symptoms or minimize the impact of the disease.

What Disorders does Oreana screen for?

Oreana screens for 106 genetic conditions.

- Metabolic Disorders
Citrullinemia, Classic Galactosemia
- Endocrine Disorders
Congenital Hypothyroidism, Pendred Syndrome
- Haemoglobin Disorders
Beta-Thalassemia, Sickle Cell Disease
- Hearing Loss Disorders
Non-syndromic Hearing Loss, Usher syndrome
- Immunodeficiency, Pulmonary or Musculoskeletal Disorders
Cystic Fibrosis, Spinal Muscular Atrophy, Severe Combined Immunodeficiencies

For a complete list of the genetic conditions screened by Oreana, please visit:

I have other questions. Where can I find additional information?

Please contact your doctor or your healthcare provider for additional information. You can also have a look at www.nipd.com/products/neonatal/oreana-patients/