

GIVE YOUR BABY THE



# Right Start

An Advanced Newborn Screening With  
Confirmatory Genetic Reflex Testing



### What is Newborn Screening Test ?



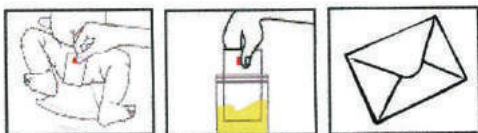
Newborn Screening (NBS) is a simple and safe screening test given to your baby within the first 72 hours of birth to detect the presence of 100+ congenital disorders. Such disorders or conditions, if left untreated, can adversely impact the baby's growth and development and could even be life-threatening in certain instances.

### How is the Newborn Screening Test done ?

A few drops of blood are collected on a special filter paper from your baby's heel by a trained nurse or medical professional.



A urine sample is also collected by placing a filter paper within the baby's diaper.



The samples are then transported to our high tech lab for further processing and testing.

### When is the test report dispatched from the lab?



The reports are generally released from the lab within 3-4 days from sample collection. The reports are sent to the hospital or doctor's clinic from where they are collected.

### Why is Newborn Screening essential after birth?



A newborn baby might appear healthy at birth but could also possess hidden congenital disorders even if there is no family history. It could be a challenge for both the parent and physician to identify these conditions by just looking at the baby. These conditions if ignored or left undetected can manifest into serious medical conditions like developmental delay, lifelong severe health issues and can even be life-threatening.

Therefore, it is essential to detect such disorders as early as possible which in turn will enhance the health and quality of life of the impacted child.

Name of Salesperson: ..... Contact: .....

## What are the benefits of Newborn Screening?

Newborn Screening has been practiced for more than 50 years and has expanded to many countries across the globe. Symptoms related to congenital disorders might not be evident at birth. Therefore, Newborn Screening is conducted to diagnose such conditions as early as possible. The two main advantages of Newborn Screening include:



Early detection along with medical intervention



Reduced financial burden due to advance treatment during initial stage

## Give every baby a healthy beginning with MFine RightStart

An advanced newborn screening complemented with confirmatory genetic reflex testing.

### Benefits of RightStart:

1. Confirmation of positive screened test reports with genetic testing.
2. No extra sample required for definitive diagnosis based on genetic information, thereby providing faster treatment.
3. Significant reduction in false positive rate while reducing parental anxiety and overall treatment expenses.
4. Free genetic counselling support to patients.

## Screening Panels

### Newborn Basic 4 :

4 Conditions - Heel Prick : Congenital Hypothyroidism(CH), Congenital Adrenal Hyperplasia(CAH), Glucose 6 phosphate dehydrogenase (G6PD) deficiency and Galactosemia.

### Newborn Basic 7 :

7 Conditions - Heel Prick : Congenital Hypothyroidism(CH), Congenital Adrenal Hyperplasia(CAH), Glucose 6 phosphate dehydrogenase (G6PD) deficiency, Galactosemia, Cystic Fibrosis(CF), Phenylketonuria (PKU), Biotinidase deficiency.

### Newborn Basic 11 :

11 Conditions - Heel Prick : Congenital Hypothyroidism(CH) , Congenital Adrenal Hyperplasia(CAH), Glucose 6 phosphate dehydrogenase (G6PD) deficiency, Galactosemia, Cystic Fibrosis(CF), Phenylketonuria (PKU), Biotinidase deficiency, Sickle cell disease, Sickle cell trait, Haemoglobin variants, Beta thalassemia

### Newborn Advanced :

50+ Conditions: Heel Prick : 11 Conditions + More than 40 conditions tested by Tandem Mass Spectrometry (TMS) for inborn errors of metabolism.

Additionally testing of 111 conditions on urine sample is offered free if blood test on TMS is positive.

### Haemoglobinopathies :

4 Conditions: Sickle cell disease, Sickle cell trait, Haemoglobin variants, Beta thalassemia

### References :

1. Boyle CA, Bocchini JA, Kelly J. Reflections on 50 Years of Newborn Screening. Pediatrics. 2014 Jun;133(6):961-3.
2. Newborn Screening in India [Internet]. [cited 2019 Jul 18]. Available from: <https://www.indianpediatrics.net/may2015/may-373-374.htm>



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