



# New Born Screening Test



First gift to your *Baby*

# Newborn Screening



Newborn screening is a simple, safe heel-prick blood test performed within the first **24–72 hours** after birth to detect serious but treatable congenital and metabolic disorders, often before any symptoms appear. In India, where **~2 in every 100 babies\*** are affected by congenital disorders, early detection can prevent up to **90%** of related disabilities, ensuring timely treatment and healthier lifelong outcomes.

\*PMCID: PMC5970488

## BIO 6

### Conditions:

- Congenital Hypothyroidism (CH)
- Congenital Adrenal Hyperplasia (CAH)
- G6PD Deficiency
- Galactosemia (GAL)
- Cystic Fibrosis (CF)
- Biotinidase Deficiency

**Sample type:** Heel prick - DBS card

**TAT:** <1 Week **Technology:** ELISA, EIA

## BIO 7

### Conditions:

- Congenital Hypothyroidism (CH)
- Congenital Adrenal Hyperplasia (CAH)
- G6PD Deficiency
- Galactosemia (GAL)
- Cystic Fibrosis (CF)
- Biotinidase Deficiency
- Phenylketonuria (PKU)

**Sample type:** Heel prick - DBS card

**TAT:** <1 Week **Technology:** ELISA, EIA, TMS

## TMS

### Conditions:

- Amino acid disorders
- Urea cycle defects
- Acylcarnitine-related issues
- 45+ parameters evaluated

**Sample type:** Heel prick - DBS card

**TAT:** <1 Week **Technology:** TMS

## GC-MS - UOA

### Conditions:

- Organic acidurias
- 130+ organic acid parameters evaluated. Indicative of Methylmalonic Acidemia, Glutaric Aciduria (GA type I / II), 3-Methylcrotonyl-CoA Carboxylase Deficiency (3-MCC)

**Sample type:** 5ml Urine/Urine card

**TAT:** 1 Week **Technology:** GC-MS

## PLASMA AMINOACIDS

### Conditions:

- Amino acid disorders
- 30+ Amino acid biomarkers- Indicative of (ARG) Argininemia, (ASA) Argininosuccinic Aciduria, Homocystinuria, Hyperlysinemia, Citrullinemia Type 1 (CIT-I / II), (ARG) Argininemia, (ASA)

**Sample type:** EDTA Blood

**TAT:** <1 Week **Technology:** LC-MSMS

## HEMOGLOBINOPATHIES

### Conditions:

- $\alpha$ -Thalassaemia
- $\beta$ -Thalassaemia
- Sickle Cell Disease (SCD)
- HbC
- Foetal Variant (HbF)
- HbS
- HbE, HbO, HbD

**Sample type:** Heel prick - DBS card

**TAT:** <1 Week **Technology:** LC-MSMS

\*Test performed at **ISO-9001:2015** certified laboratories.

**Note:** This is a screening test, and a negative result does not completely rule out the possibility of a disorder. A positive result indicates the need for further diagnostic evaluation, and all results should be interpreted in conjunction with clinical findings.

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