

• India • UAE • South Africa • USA

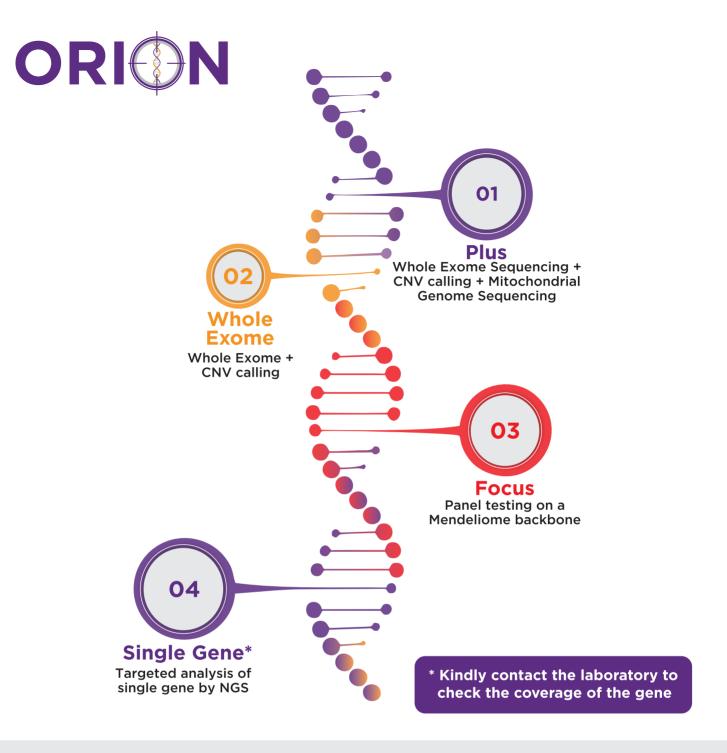
INSIGHTS



ORION

Intelligent Genomics

Serial number: 021 Edition: 1. 2022



Validated For

- ► Single nucleotide variants
- ▶ Indels upto 30bp
- Copy number variants:
 Multi Exon (more than 3 exons)
 deletions and duplications

Acceptable Samples

- ► EDTA Whole Blood
- Dried Blood Spots (DBS)
- Amniotic fluid (AF)#
- ► Chorionic Villous Biopsy (CVS)#

Does Not Include

- Triplet Repeat Expansions
- Methylation Abnormalities
- Somatic Mutations

We Also Offer

- ▶ Microarray 315K and 750K
- Multiplex Ligation-dependent Probe Amplification (MLPA)*
- ► TP-PCR for Fragile X

Kindly contact the lab before sending a prenatal sample

Turn Around Time for ORION: 28 Business Days



Customized Gene Curation

Towards evidence based medicine



Phenotype Specific



Regularly Updated Gene Lists

Expert Variant Annotation

Adding relevance to reporting



Gene-Disease Association



Variant-Disease Association

Coverage

Inclusive of



>19000 genes



100X Mean Depth



>95% Coverage @20X

▶ Enhanced Variant Calling

Enriching Analysis!



Customized Pipeline



Extensively Validated

▶ Best-In-Class Reports

Peer Reviewed by













Cardiology



Dermatology



Endrocrinology



Gastroenterology



Hematology



Metabolic Disorders



Nephrology



Neurology



Oncology



Opthalmology & ENT

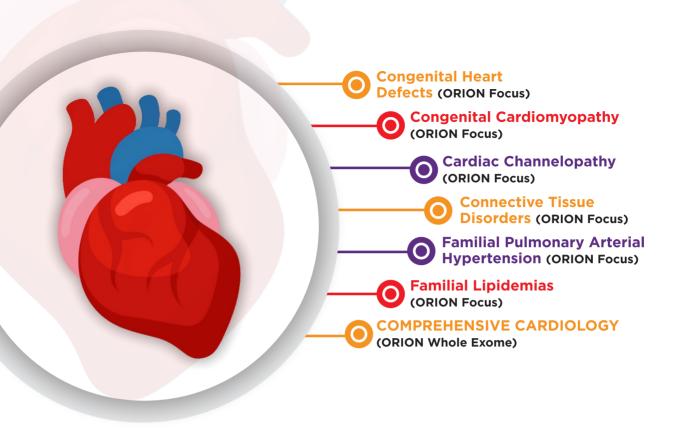


Pulmonology

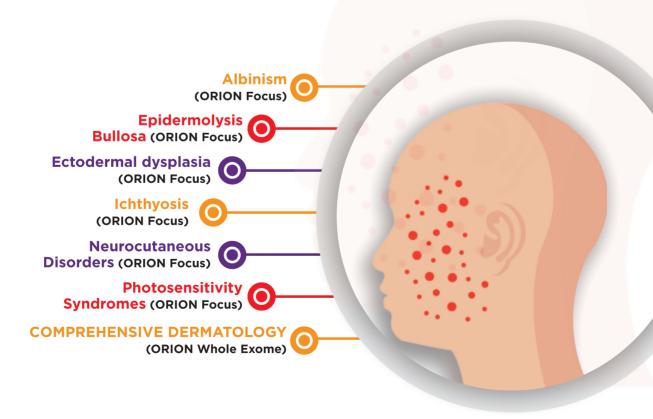


Skeletal Disorder

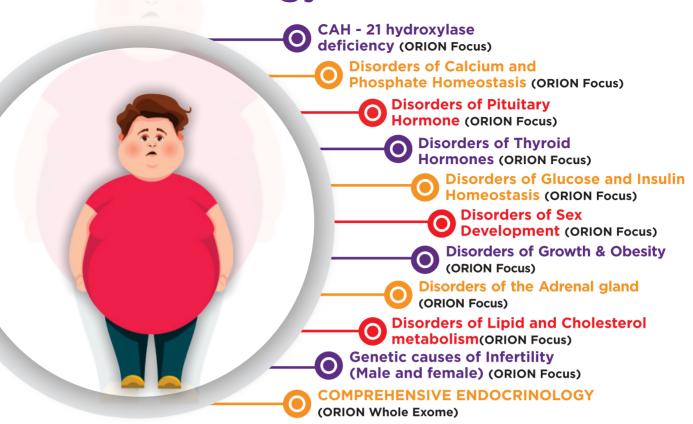
Cardiology



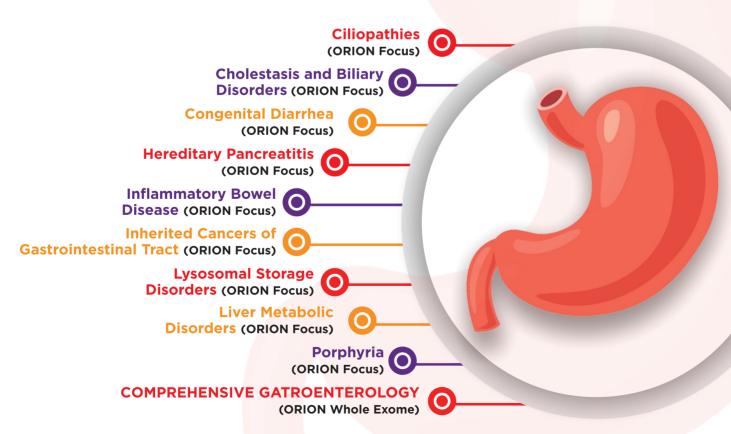
Dermatology



Endocrinology



Gastroenterology

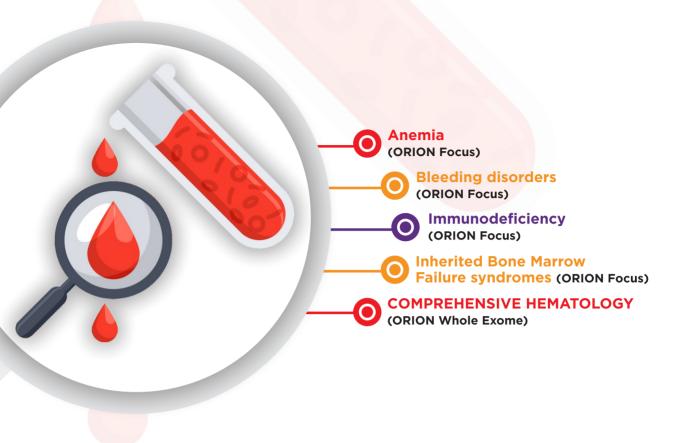


Mandatory: Duly filled Test Requisition and Consent form

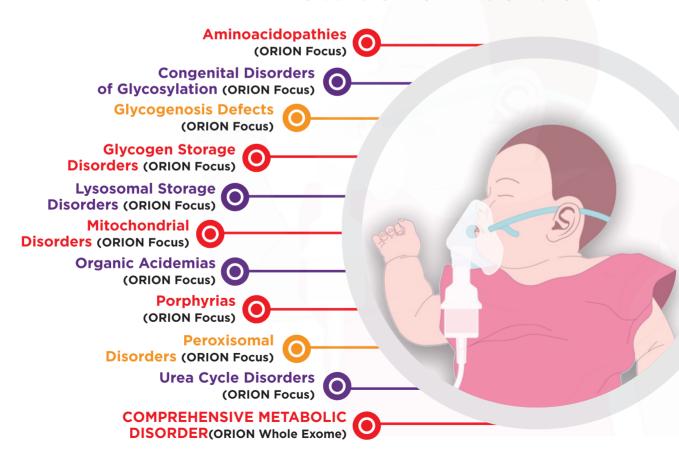
Comprehensive tests assess all genes included in the respective panels.

For the gene list, please visit our website: https://ncgmglobal.com/inherited-genetic-disorders/orion-focus/

Hematology



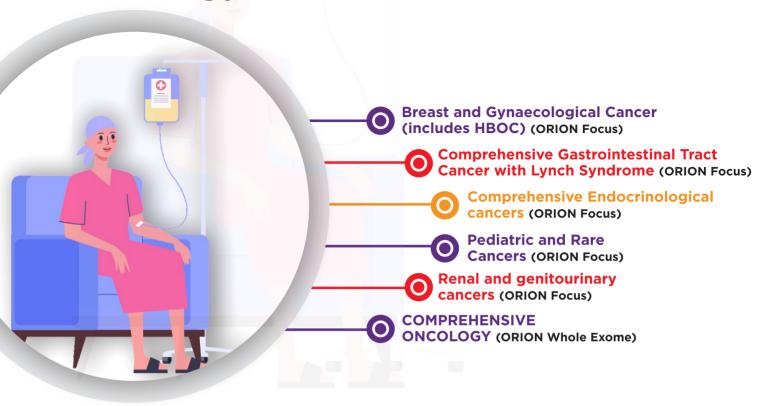
Metabolic Disorders



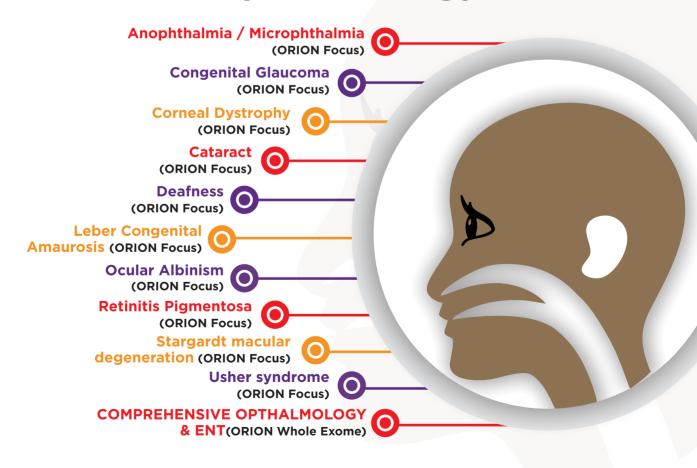
Mandatory: Duly filled Test Requisition and Consent form
Comprehensive tests assess all genes included in the respective panels.

Nephrology Cystic Kidney Diseases and Ciliopathies (ORION Focus) **Hemolytic Uremic Syndrome** (ORION Focus) **Nephrotic Syndrome** (ORION Focus) **Renal stone** disorders (ORION Focus) **Tubulopathies** (ORION Focus) **COMPREHENSIVE NEPHROLOGY** (ORION Whole Exome) Neurology **CNS Malformations & Neuronal Migration Disorders (ORION Focus)** Genetic 6 **Epilepsy** (ORION Focus) Neuromuscular **Disorders (ORION Focus) Neurodegenerative Disorders (ORION Focus)** Neurocutaneous **Disorders (ORION Focus)** Movement (**Disorders** (ORION Focus) **COMPREHENSIVE NEUROLOGY** (ORION Whole Exome)

Oncology



Ophthalmology and ENT

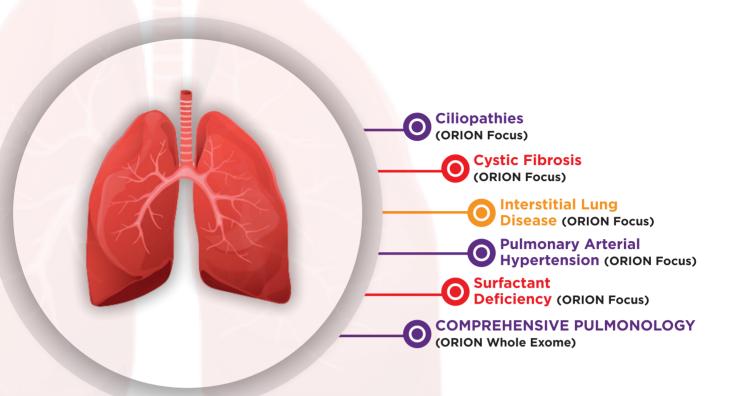


Mandatory: Duly filled Test Requisition and Consent form

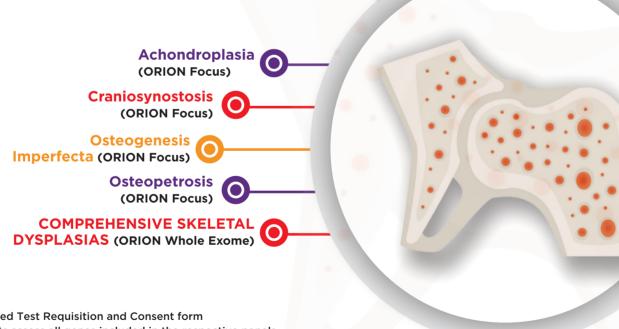
Comprehensive tests assess all genes included in the respective panels.

For the gene list, please visit our website: https://ncgmglobal.com/inherited-genetic-disorders/orion-focus/

Pulmonology



Skeletal Disorders



Mandatory: Duly filled Test Requisition and Consent form

Comprehensive tests assess all genes included in the respective panels.

For the gene list, please visit our website: https://ncgmglobal.com/inherited-genetic-disorders/orion-focus/

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