PEDIATRIC

BAYLOR GENETICS

Assessing or diagnosing a metabolic disorder commonly requires several tests. Global Metabolomic Assisted Pathway Screen, commonly known as Global MAPS, is a unifying test for analyzing hundreds of metabolites to identify changes or irregularities in biochemical pathways. Let Global MAPS guide you to an answer.

GLOBAL MAPS™

Global Metabolomic Assisted Pathway Screen

Diagnose a broad range of metabolic disorders with a single test, Global MAPS

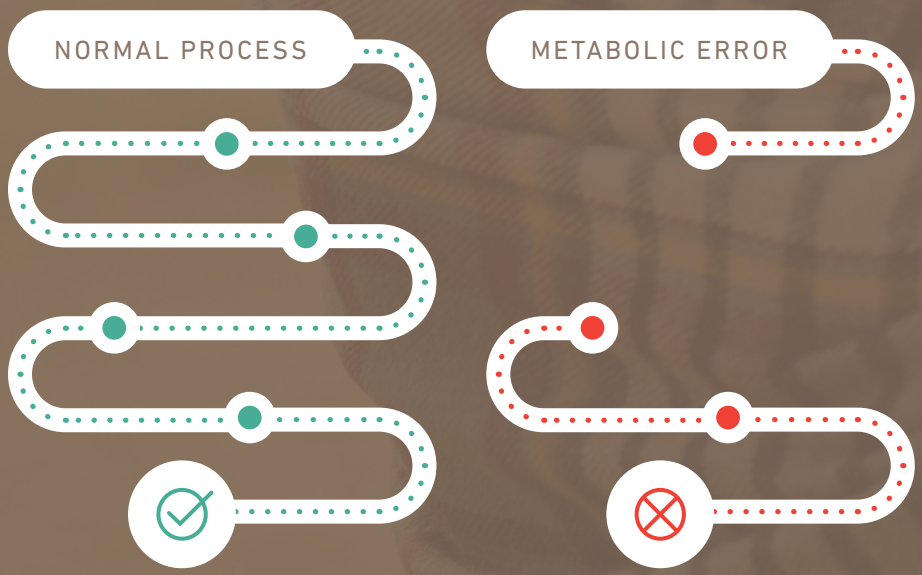
Global MAPS Indications For Testing

- AUTISM SPECTRUM DISORDER
- DEVELOPMENTAL DELAY
- VARIANTS OF UNCERTAIN CLINICAL SIGNIFICANCE IN A GENE KNOWN TO BE INVOLVED IN SMALL MOLECULE METABOLISM
- FAILURE TO THRIVE
- HYPOGLYCEMIA
- HYPOTONIA
- NON-SYNDROMIC INTELLECTUAL DISABILITY
- RECURRENT VOMITING
- SEIZURES
- SPEECH/LANGUAGE DELAY
- UNDIFFERENTIATED PHENOTYPE POSSIBLY RELATED TO PERTURBATION IN A BIOCHEMICAL PATHWAY

Global MAPS is a large scale, semi-quantitative metabolomic profiling screen that analyzes disruptions in both individual analytes and pathways related to biochemical abnormalities.

Using state-of-the-art technologies, Global Metabolomic Assisted Pathway Screen (Global MAPS) provides small molecule metabolic profiling to identify >700 metabolites in human plasma or urine. Global MAPS identifies inborn errors of metabolism (IEMs) that would ordinarily require many different tests. This test defines biochemical pathway errors not currently detected by routine clinical or genetic testing.

IEMs are inherited metabolic disorders that prevent the body from converting one chemical compound to another or from transporting a compound in or out of a cell.



These processes are necessary for essentially all bodily functions. Most IEMs are caused by defects in the enzymes that help process nutrients, which result in an accumulation of toxic substances or a deficiency of substances needed for normal body function. Making a swift, accurate diagnosis of an IEM and prescribing the appropriate diet or medication is critical in preventing brain damage, organ damage, and even death.

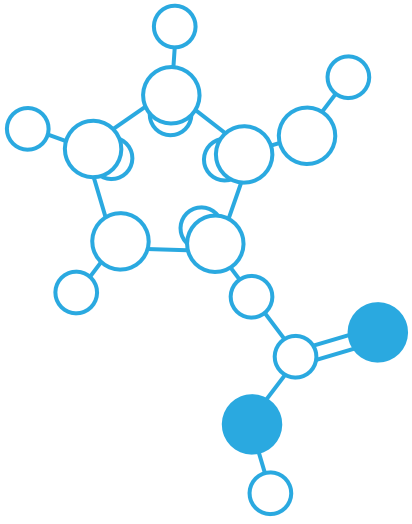
Global MAPS provides pati assist in the diagnosis of a recognize new IEMs never

The possibility of discovery by using Global MAPS is considerable, including the identification of new inborn errors of metabolism and regulatory factors for metabolic genes, as well as previously unknown metabolic associations/ disruptions with known disorders. Global MAPS offers a broad range of analyses in a single metabolic screen, requiring less sample volume from the patient making it more convenient and cost-effective.

Global MAPS is a unique broad screening test that can detect disorders involving metabolism of amino acids, organic acids, fatty acid oxidation, vitamin cofactors, pyrimidine biosynthesis, creatine biosynthesis, and urea cycle metabolism, among other known disorders.

Metabolites range in size and include, but are not limited to:

- AMINO ACIDS
- FATTY ACIDS
- ORGANIC ACIDS
- NEUROTRANSMITTERS
- NUCLEOTIDES
- BILE ACIDS



ents with a single test that can broad range of disorders and before described.

Testing Options

GLOBAL METABOLOMIC ASSISTED PATHWAY SCREEN (GLOBAL MAPS)

Test Code	4900	4901
Specimen Type		
TAT (Days)	21	21

Specimen Requirements & Shipping Conditions

Send 1-2 cc of plasma. Draw blood in an EDTA (purple top) tube(s) and separate plasma as soon as possible, freezing immediately. Store the specimen frozen at -20°C. Specimen may be stored frozen up to 7 days.

Ship frozen sample in insulated container, with 3 -5 lbs. dry ice, by overnight courier.

Send 3-5 cc of a random urine. Do not add preservatives. Store the specimen frozen at -20°C.

Ship frozen sample in insulated container, with 3 -5 lbs. dry ice, by overnight courier.

Plasma | Urine | EDTA (Purple Top)

40+ YEARS OF INNOVATION

4 MILLION+ CLINICAL TESTS PERFORMED

1 MILLION+ FAMILIES HELPED

3 THOUSAND+ TESTS OFFERED

1 MISSION IMPROVE HEALTHCARE THROUGH GENETICS

Baylor Genetics pioneered the history of genetic testing. Now, we're leading the way in precision medicine.

Baylor Genetics is a joint venture of H.U. Group Holdings Inc. and Baylor College of Medicine, including the #1NIH funded Department of Molecular and Human Genetics. A pioneer of precision medicine for over 40 years, Baylor Genetics now offers a full spectrum of clinically relevant genetic testing, access to world-renowned experts, and the confidence to provide patients with the best care.

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