

MetaUDx™ for Pediatrics

EMPOWERING CLINICIANS TO SOLVE UNDIAGNOSED PATIENT CASES

Detailed Metabolic Information from One Analysis

Clinicians today use the most advanced health information and data analysis available to solve their undiagnosed and most difficult-to-diagnose patient cases. Even if they cannot find answers, doctors need information that will guide their efforts to treat their patients. They recognize the importance of genomic, metabolic and phenotypic information to truly understand human health.

Metabolon's technology fits perfectly with the desire to shift from investigative to actionable and from generalized to personalized approaches. Let Metabolon show you how MetaUDx can become an invaluable tool for understanding your patients' conditions.

About MetaUDx

MetaUDx is an advanced biochemical analysis that provides unbiased metabolomic data. It can detect relatively unexpected levels of metabolites that are associated with diseases or disorders. The analysis looks for biomarkers or biochemical pathway alterations that may be indicative of metabolic effects potentially associated with diseases or disorders.

Requiring only 250 μ L of EDTA plasma from patients who fasted for 8 hours, MetaUDx uses Metabolon's proprietary analytics and informatics to detect up to 1,000 metabolites across diverse metabolite classes and pathways. Results are statistically compared against a reference population of 866 fasted, healthy individuals.






Key Benefits

- ✓ Comprehensive metabolic profile leads to better phenotypic understanding
- ✓ Time- and cost-efficient; one assay is a broad screen and can guide the selection for targeted confirmatory testing
- ✓ Detects underlying pathway or biomarker anomalies not measurable by other means
- ✓ Highlights the most profound biochemical pathway disturbances
- ✓ Identifies possible path forward for additional testing for disease confirmation and treatment
- ✓ Can be used to monitor treatment-related metabolites

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- Adjunctive, clinical test
- Convenient
 - One small sample
- Detect pathway or biomarker anomalies

Product Options Available

	Meta UDx Pediatrics Core	Meta UDx Pediatrics Extended
Results	 Heat map listing individual metabolite Z-scores	 Heat map listing individual metabolite Z-scores
Interpretation	 Brief statement report of most profound biochemical pathway alterations	 Brief statement report of most profound biochemical pathway alterations  Figures of affected biochemical pathways with notations on biochemical disturbances

Technical Information & Limitations

Meta UDx must be ordered by a physician and accompanied by detailed clinical information. Special diets (including total parenteral nutrition, TPN), supplements and medications should be disclosed.

The test does not measure:

- Proteins or large peptides
- Complex oligosaccharides
- Large lipids
- Elements such as potassium or sodium

Meta UDx is performed in a CLIA-certified/CAP-accredited laboratory. Meta UDx is not meant to replace diagnostic testing for specific conditions, but is used to assist the clinician in choosing the appropriate diagnostic and confirmatory tests.

About Metabolomics

Metabolomics is the study of small molecules, a first-line phenotyping tool that tracks alterations in metabolite levels and maps them to the appropriate biochemical pathways, improving our understanding of health and the influences of genes, microbiome, diet, lifestyle and drug treatment.

Metabolomic profiling is a large-scale, semi-quantitative technology. It is a highly efficient small-molecule analysis for metabolites that range in size from 50 to 1,500 Da.

About Metabolon

Metabolon is the world's leading health technology company advancing metabolomics for precision medicine and every area of life sciences research. Our Precision Metabolomics™ is a powerful technology for assessing health and is delivering biomarker discoveries, innovative diagnostic tests, and ground-breaking partnerships in genomics and population health initiatives.

Almost every factor impacting the phenotype—from genetics and the microbiome to disease and lifestyle—exerts its influence by altering metabolite levels. By producing the most accurate, comprehensive picture of the metabolome, we help answer some of biology's most challenging questions.

FOR MORE INFORMATION, PLEASE CONTACT US AT PMINFO@METABOLON.COM OR 1.844.363.META (1.844.363.6382).



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