CLARITAS GENOMICS

Pediatric Neurology Region of Interest

Powerful like an exome, nimble like a panel

A full solution to a complete answer

Key Features

1 Flexibility
Select up to 6 phenotypically-driven gene lists
Compiled in collaboration with experts

2 Rapid Reflex to a Clinical Exome
If no pathogenic variant is uncovered, order a reflex into the Claritas Clinical Exome

3 Access to Exome Data
Interactive variant browsing via the WuXi-NextCODE™ platform

Phenotypically-Driven Gene Lists

Neuromuscular disorders

Epilepsy/Seizures

Hereditary peripheral neuropathy

Movement disorders

Brain malformations

Leukodystrophy/Encephalopathy

Test Characteristics

Gene lists are updated based on input from Claritas partners and experts

Orthogonal sequencing is carried out using Illumina NextSeq™ and LIFE Ion Proton™ systems to generate a variant list, which is evaluated through our proprietary bioinformatics pipeline

100X mean coverage; 97% at ~20X

Orthogonally-confirmed variants demonstrate high specificity (PPV~100%)

Sanger sequencing follow-up on platform-specific or discordant relevant variants

Trios are encouraged

A companion deletion/duplication analysis adds an additional level of evaluation that increases the detection ability for clinically relevant findings

Turnaround Time

- Rapid Report: 3 weeks
- Complete Report: Additional 4 weeks

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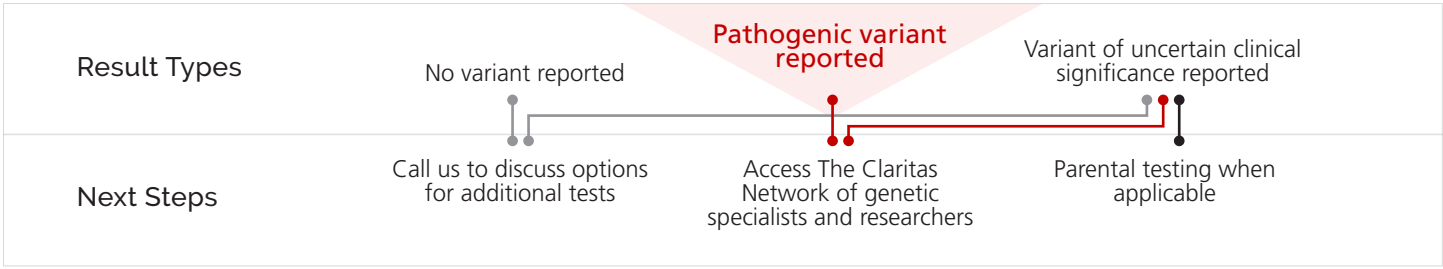
Innovative Approach to Results

Saves time and money by minimizing sequential testing	Orthogonal technologies enable the most accurate and comprehensive results	Independent platforms provide superior sensitivity and specificity	Immediate confirmation of variants reduces turnaround time

Support Services

Our Genetic Counselors and Medical Directors are ready to answer your questions about genetic testing



For more information about our tests, products and services, **visit our website at www.claritasgenomics.com**

How to Order

1 Download and complete the requisition form
www.claritasgenomics.com

2 Obtain the patient's sample

Whole blood
- Children or adults: 2-5cc
- Infants under 2 years: 0.5-2cc
- EDTA (preferred), NaCitrate, or ACD

Extracted DNA
- 10µg at 50ng/µL

3 Prepare the sample for shipment
- Complimentary kits are available for samples shipped within the United States and include a prepaid airbill
- Order kits at www.claritasgenomics.com

4 Ship overnight for receipt Monday through Friday

Claritas Genomics
Attn: Specimen Processing
99 Erie Street
Cambridge, MA 02139

Connect to The Claritas Network

Access our network of researchers and specialists

Take advantage of partnerships and save on send-out costs

Questions or comments? We want to hear from you.

Email us at clientservices@claritasgenomics.com
Call us at 617.553.5880
Toll-Free at 855.373.9003
Fax at 617.553.5842

Contact your Claritas Field Representative for more information and logistical support

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