# *ClariView* Array
## by Claritas Genomics

A first-line test

Uniquely designed for patients with
- Intellectual Disability (ID)
- Developmental Delay (DD)
- Autism Spectrum Disorder (ASD)

### Test Development

- Array design was informed by five years of experience working with the Autism Consortium.
- This enriched data set enabled us to optimize the array for clinical presentations of ID/DD/ASD.
- We have analyzed samples from over 3000 patients with our current design.
- We continue to improve the array through our partnership with researchers and specialists in genetics.

### Compare *ClariView* to other arrays

- Probes placed to detect deletions and duplications in genes associated with neurodevelopmental conditions.
- Very high resolution in critical regions: detects exonic deletions and duplications as small as 1kb in 811 genes relevant to ID/DD/ ASD, making this assay a first-line test for this group of patients.
- In order to minimize findings that are not relevant to the clinical presentation, probe coverage is reduced in regions unrelated to ID/ DD/ ASD.
- 30,000 SNP probes are placed in the genome to detect AOH larger than 5-10Mb. AOH can be due to consanguinity, uniparental disomy*, and identity by descent.

*Only some types of UPD can be detected by microarray technology.

### Density Matters

**150,000**
probes to detect copy number variants +30,000 SNP probes to detect AOH.

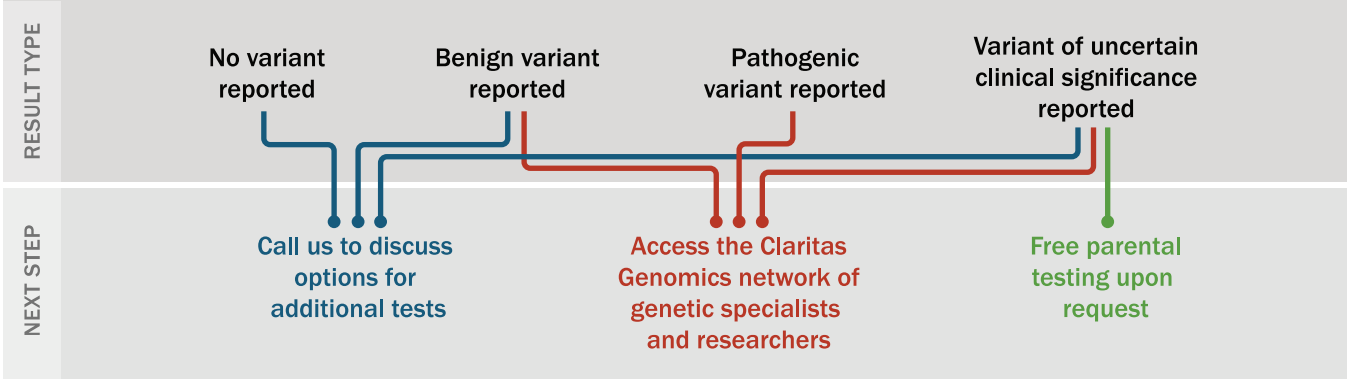
**3615**
genes covered, including all known neurodevelopmental genes.

**811**
genes with enhanced coverage. These genes are relevant to ID/DD/ASD.

**1**
kb resolution in these 811 genes.

## Results

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.

REFERENCES:
Shen Y et al. *Pediatrics* 2010; 125;e727.
Mason-Suares H et al. *Genet Med* 2013; 15(9): 706-12.

## When To Order

### Indications for Testing

- Unexplained developmental delay/intellectual disability
- Autism Spectrum Disorder
- Multiple congenital anomalies
- Suspected uniparental disomy*
- Suspected consanguinity

## Partner with us to build 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 617-553-5880/855-373-9003

## How To Order

**Download our requisition form from**
www.claritasgenomics.com

**Obtain the patient's sample**
Whole blood
Children or adults: 3-5cc
Infants under 2 years: 2-3cc
EDTA (preferred), or NaCitrate, or ACD.

Extracted DNA
Minimum of 10µg at 50µg/µL

**Ship overnight for receipt Monday through Friday**
Claritas Genomics
Attn: Specimen Processing
99 Erie Street
Cambridge, MA 02139

**Turn-around time**
3-4 weeks