

TEST REQUISITION FORM



MOLECULAR GENETIC TESTING

PATIENT DETAILS					
(In BLOCK letters)					
Full Name DD M M Y Y Y Y Y M M DOB / Age / Gender M F Ethnicity Contact No.					
REFERRING CLINICIAN —					
(In BLOCK letters)					
Clinician Name					
SAMPLE DETAILS —					
Sample Type Blood (4 ml EDTA)					
TEST REQUESTED NGS based Tests (Tick appropriately: Single Duo Trio) ORION Single gene (Requested for gene) ORION WES (Pre designed disease specific gene panel) *Please contact lab for gene list & panel details ORION WES (Phenotype based Whole Exome + CNV Analysis) (Please specify Phenotype) Single gene/focus scaled to WES (Phenotype based Whole Exome + CNV Analysis + Mitochondrial Genome Sequencing)					
Mitochondrial Genome Sequencing Whole Genome Sequencing					
Whole denome sequencing					
Non NGS based Tests					
MLPA (Requested forgene) *Please contact lab for kit availability Digital PCR Request forgene/disorder					
Microarray 315K- Cytoscan Optima (Detects deletions upto 1Mb and duplications upto 2Mb in size)					
☐ 750K- Deepdive (Detects deletions and duplications upto 200kb in size) ☐ Others ☐					

Neuberg Centre for Genomic Medicine (NCGM)

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CLINICAL DIAGNOSIS —					
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Clinical Details / Pedigree: (Please provide detailed clinical information including age of onset of symptoms, disease progression, current status, response to treatment, presence of consanguinity, family history and relevant investigations performed.)					
	•				
(Relevant documents can be em	nailed to contact@ncgm	nglobal.com)			
Details of samples sent alon	g with for additio	nal testing			
Name	DOB / Age	Relationship (with patient)	Affected (Yes / No)	Details	
1)					
2)					
3)					
4)					
Name:		Si	gnature:		
Relationship to Patient:		Da	ate, Time and Place:		
Clinician Name & Signat	ture:				

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CONSENT/ASSENT FORM

Patient Name:	Guardian Name:				
Information on Genetic Testing	(In case of minor)				
	etic disorders. Genetic tests are recommended by your referring clinician with an				
	or chromosomes with respect to the patient symptoms and/or family history.				
1) Next Generation Sequencing (NGS) based testing allows sim	ultaneous assessment of multiple genes.				
<u>Test Categories</u>					
a) ORION (Single gene): Analysis is limited to protein coding re	egions of the gene of interest only.				
b) ORION Focus*: Testing of a pre-designed set of disease spec					
 c) ORION WES: A customized phenotype based analysis on a vertice of the mitochondrial genes which are well associated with a particular Copy Number Variations will be analyzed, however this may have 	whole exome backbone. Only protein coding regions of genes including nuclear phenotype/genes requested by your referring clinician are analyzed in this test. We to be validated by another non-NGS technology.				
	hole exome backbone. Only protein coding regions of genes including nuclear				
	phenotype/genes requested by your referring clinician are analyzed in this test. The to be validated by another non-NGS technology. Mitochondrial Genome				
e) Scale upto ORION: In case of a negative ORION single gene	report the test can be scaled upto ORION.				
,	ions of all the genes (approx 22,000) irrespective of co-relation with human disease.				
pathological conditions. Mitochondrial genome testing involves					
multiple samples are analyzed, a single comprehensive report w	f the above tests in three individuals (usually index case / proband + parents). Though ill be issued for better understanding of familial contribution.				
Variant Interpretation & Test Results					
American College of Medical Genetics.	proprietary algorithm - ORIONSeek, which incorporates the criteria defined by the				
b) Only variants related to the patient phenotype are reported.	·				
change over time, subject to accumulation of scientific informal periodically, especially before contemplating prenatal testing o					
	d to your health care provider if desired (additional charges may apply for the same).				
Expected Test Results	athogenic variation. While this confirms the presence of a disease causing variation, it				
might NOT always translate into diagnosis as mentioned above.					
b) Negative: No variants related to patient phenotype were det	·				
	ant whose significance is not known. The variant may or may not cause disease.				
Re-classification may be possible after segregation studies, and data in medical literature. It is recommended to contact the lab prenatal testing / carrier screening.	illary testing, phenotype evolution and accumulation of further variant specific/related oratory for periodic review of variant classification especially before considering				
	cally significant copy number variations, they may be reported as variants of unknown				
significance until confirmed by an alternative validated by an alternative Non-NGS test methodology. e) Incidental Findings: Indicates the presence of variants in a designated set of genes as per the ACMG Secondary findings committee. These genes have been selected based on the benefit of early intervention. Variants in these genes are usually unrelated to patient phenotype. The gene content					
	llyzed at different time periods. Currently the laboratory reports only pathogenic/likely				
Limitations of Genetic Testing					
	order. In some cases the test may not detect a variation even though present in a				
protein coding area because of limitation in technology/scientific information. b) The current technology does not standardly analyze intronic variants, non-variant splice nucleotides, repeat expansions and methylation abnormalities.					
Similarly coverage of gene promoters regions may not be uniform or universal.					
c) The accuracy of genetic test results is dependent of the information provided with relation to biological relation, ship clinical history and sample collection and transport. Contamination may interfere with results.					
d) In rare cases due to insufficient DNA quantity or quality, a re					
	wever certain unanticipated delays may occur for which the laboratory cannot be held				
The reports are released to your referring clinician as well as the	ne patient/guardian (in case of minor). Since genetic test results are confidential,				
	to any other person/clinician unless consent is provided by the patient.				
genetic analysis.	in language of my understanding and permit NCGM to perform the recommended				
☐ I understand that the data derived from my genetic testing stored in de-identified form. I understand my de-identified	may be stored indefinitely as a part of the laboratory database. This data is always data/sample may be used for research collaborations as well as scientific				
presentations and publications.					
\square I do NOT consent to the reporting of incidental findings.					
	Ciamatura				
Name:	Signature:				
Relationship to Patient:	Date, Time and Place:				
Clinician Name & Signature:					