



CENTOGENE
THE RARE DISEASE COMPANY



CentoDx Plus[®]

WHERE CLINICAL UTILITY MEETS
PATIENT AFFORDABILITY



Targeting genes
associated with
all known clinical
phenotypes

Centodx Plus™: Clinical Exome Sequencing

Centodx Plus™ is the largest NGS panel covering coding regions of genes associated with known clinical phenotypes. It encompasses **3,200 rare diseases** that are checked swiftly in a very short turnaround time. **4,000 genes** within this panel have **100% coverage** in coding regions.

Why should you choose Centodx Plus™ ?

CENTOGENE products	Genes	Coverage	Information content	Mutation detection likelihood
Whole exome sequencing CentoXome®	~ 20.000	~ 97% >10%	~ 60MB	~ 93.2%
Clinical exome sequencing Centodx Plus™	~ 6,700	~ 95% >20%	~ 15MB	~ 94.1%
NGS Panel Genomic	~ 10-1.000	~ 99% >10x	200-500MB	~ 99.1%

Who are the beneficiaries?

- Physicians aiming to gain deeper insights into clinically relevant genes
- Patients with unidentified phenotype or physicians faced with heterogeneous phenotypes where Whole Exome Sequencing is not affordable
- Patients with identified phenotype in search of an affordable Clinical Exome option as opposed to a disease specific NGS panel

KEY ADVANTAGES OF Clinical Exome

- Ideal for single gene disorders to complex phenotypes
- +/-10bp in introns assessed for any splicing defect
- >95% of targeted bases covered $\geq 20X$
- Short turnaround time
- Result confirmation with Sanger sequencing
- Offered as Solo & Trio, adding siblings possible
- Clear conclusion and recommendations including differential diagnosis for negative cases

DISORDERS COVERED

CentoDx Plus™

- Metabolic
- Neurological
- Reproductive
- Malformative
- Ophthalmological
- Oncogenetic
- Bone, skin & immunological
- Cardiovascular
- Ear, nose & throat
- Nephrological
- Hematological
- Vascular
- Endocrinal
- Gastrointestinal
- Musculoskeletal

Diagnostic Workflow

High accuracy combined with easy affordability:

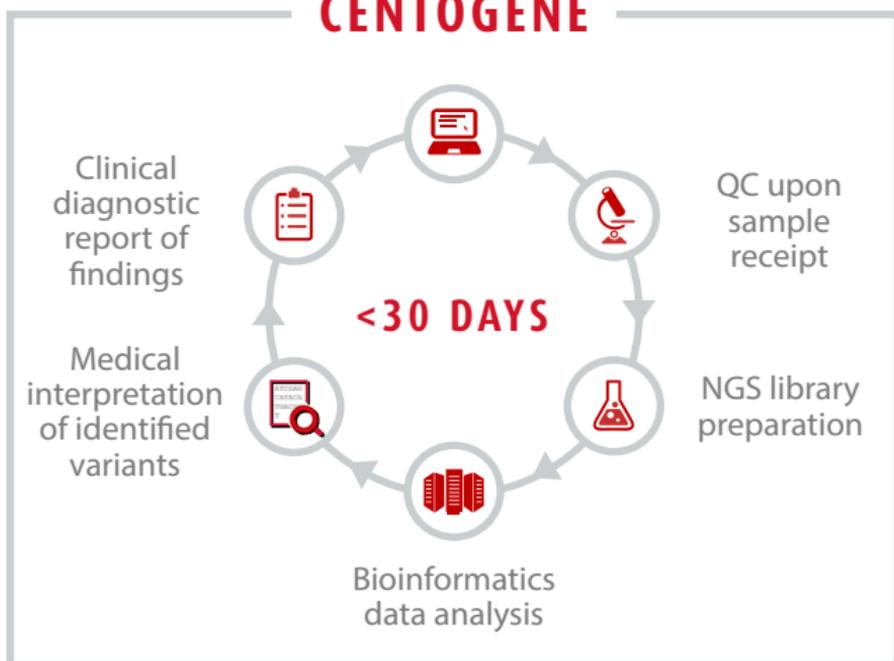


PHYSICIAN

- > Order CentoDx Plus™ via CentoPortal® (*recommended*)
- > Dispatch CentoCard® (*recommended*)
- > Provide detailed clinical info
- > Sign consent online



CENTOGENE



PHYSICIAN

- > Notified for a new report
- > Download new report via CentoPortal®
- > Consult the patient
- > Request additional tests, if required

Please visit our website
for more information:

www.centogene.com

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