



CENTOGENE  
THE RARE DISEASE COMPANY



**CentoDx<sup>®</sup>**

WHERE CLINICAL UTILITY MEETS  
PATIENT AFFORDABILITY



Targeting genes  
associated with  
all known clinical  
phenotypes

## Centodx®: clinical exome sequencing

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

## Why should you choose Centodx®?

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| CENTOGENE PRODUCTS                 | GENES      | COVERAGE      | INFORMATION CONTENT | MUTATION DETECTION LIKELIHOOD |
|------------------------------------|------------|---------------|---------------------|-------------------------------|
| Whole exome sequencing CentoXome®  | ~ 20,000   | ~ 97%<br>>10x | ~ 60MB              | ~ 93.2%                       |
| Clinical exome sequencing Centodx® | ~ 6,700    | ~ 95%<br>>20x | ~ 15MB              | ~ 94.1%                       |
| CENTOGENE's NGS Panel Genomic      | ~ 10-1,000 | ~ 99%<br>>10x | 200-500MB           | ~ 99.1%                       |

## Who benefits?

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- 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 CentoDx<sup>®</sup>

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

## DISORDERS COVERED BY CentoDx<sup>®</sup>

- 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:

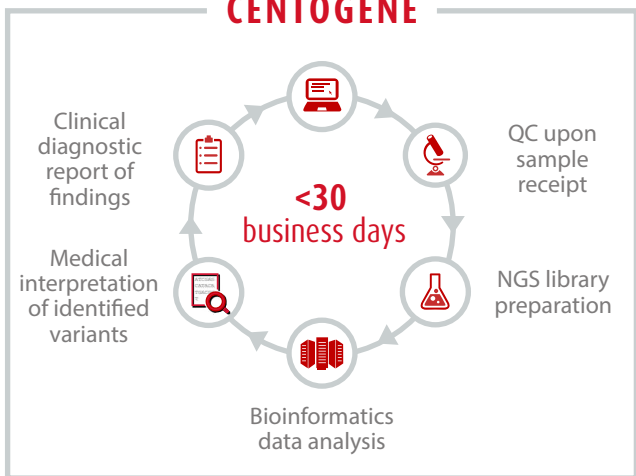


## PHYSICIAN

- > Order CentoDx® 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](http://www.centogene.com)

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**CLIA #99D2049715**

Following GLP and GMP guidelines.

