Neoscreen pro

Comprehensive genomic screening for newborns

Neoscreen pro is a kit for research for the screening of clinically significant genes, including inherited disease-related genes, in newborns.

Neoscreen pro is an advanced NGS-based panel designed to enable early detection of genetic conditions in newborns, offering insight into **more than 400 genes** associated with inherited disorders. The panel focuses on
conditions where early detection and treatment lead to **improved prognosis and quality of life**.

This comprehensive solution supports the identification of: metabolic diseases, primary immunodeficiencies, hemoglobinopathies and hematological disorders, endocrine disorders, neuromuscular diseases and other genetic syndromes and rare diseases.

Early diagnosis through genomic screening allows for timely intervention, personalized treatment, and improved longterm outcomes. With its broad gene coverage and high analytical sensitivity, the Neoscreen pro is a powerful tool in the transition toward **early intervention**.

The kit is validated for germline analysis (SNPs, indels, CNVs) of DNA extracted from blood or body tissues (fresh, frozen) or DBS samples.

Curious about the full gene list? Contact our support team for the complete panel details.
support@4bases.ch

4bases Neoscreen pro allows for **precise**, **reliable**, and **effective results**, **speeding up** the activity of clinical reporting.

From DNA to Final data in less than 2,5 days with less than 3 hours hands-on time.

From gDNA | PCR UDI | Hybridization | Enrichment PCR | Final library | NGS | to FINAL DATA

4bases
When Precision Matters

Neoscreen pro

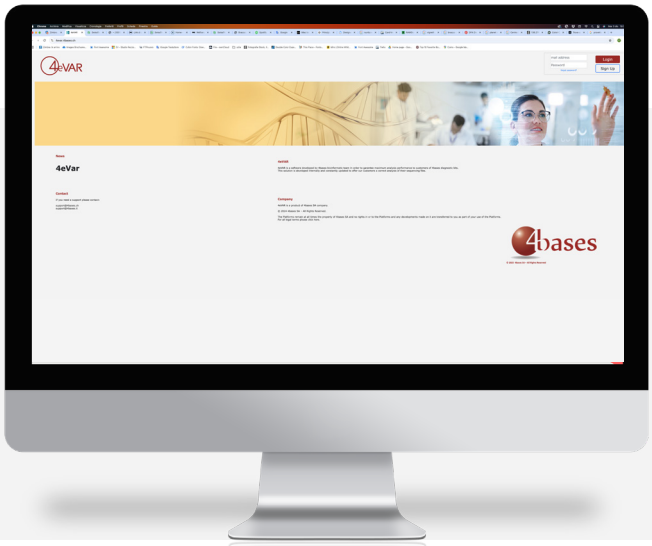
Comprehensive genomic screening for newborns

Specifications

Sample type	DNA extracted from tissues, blood or body fluids
Input	Minimum of 50 ng DNA per sample
Panel size	About 940 kb
Variant called	SNPS, indels, CNVs
Instrument Type	Illumina, MGI, Oxford Nanopore Techologies, Ion Torrent, Element Biosciences
Data Analysis	4eVAR
Automation Version	Available

Cod. kit

Product	Cod.	Tests number
Neoscreen pro	Series RC3280	16 & 96
Neoscreen pro Automatic	Series RC3280	16 & 96



4eVAR: Comprehensive output files for analysis and reporting

- Quality metrics
- Alignment
- CNVs status
- Full variant table
- Genotype
- Coverage
- Customizable report

Data Analysis

Product	Cod.	Tests number
4eVAR	Series A6060-RC3280	16
4eVAR	Series A6060-RC3280	96

If you wish to learn more:

Contact us at: info@4bases.ch
4bases SA - www.4bases.ch

4bases
When Precision Matters