OncoXPLORE™

Explore **cancer complexity** with **next-generation sequencing**

OncoXPLORE™ is a **comprehensive cancer gene panel** test optimized for the exploration of solid tumors.

This new test focuses on a very large set of genes and phenotypes of interest for oncology research and generates a manageable amount of genomic data for biomarker validation and tumor characterization.

By designing this comprehensive genomic test, OncoDNA aims to support the development of new cancer drug targets by enabling you to explore, assess and validate new biomarkers as well as to accelerate patient recruitment and maximize patient stratification for your clinical trials in a simple and cost-efficient manner.

Key **features**

- Solid tumors
- NGS assay designed for use with FFPE or frozen tumor samples, including samples where the DNA quality is not optimal
- Coverage of 2.3MB of the human genome including 1.6MB of coding sequences
- Panel of 635 cancer-related genes
- **Reporting of MSI, TMB and HRD phenotypes**
- Deep mean gene coverage of 400x with a uniformity >95%, enabling the identification of variants present at as low as 5%

Obtain comprehensive **tumor characterization**

OncoXPLORE™ targets a panel of genes known to be associated with cancer and evaluates important biomarkers and tumoral information for precision oncology studies, such as:

- Tumor mutational burden (TMB) calculation
- Homologous repair deficiency (HRD) scoring
- Microsatellite instability (MSI) determination
- Somatic mutations in relevant genes (SNV, In/Del)
- CNV analysis to identify amplified or deleted genes/regions
- Loss of heterozygosity (cnLOH) analyses

Customize the test to your needs

We offer a high level of flexibility at various levels and give you the opportunity to:

- Incorporate genes or regions relevant to your studies
- Modify our wet lab protocol according to your specifications
- Personalize the online visualization as well as thresholds and analysis parameters of the data on MERCURY
- Go one step further and obtain clinical interpretation reports for your samples through OncoKDM

Analyze the data **on our interactive map**

Genomic data will be made available on MERCURY™, our secured cloud-based application. This GDPR compliant user-friendly software tool enables the comprehensive and interactive exploration of tumor sequencing data. This software tool provides users access to numerous annotations, integrates transcriptomic data and facilitates the creation of customized reports.

Rely on a **certified lab**

The tumor tissue samples are processed by a highly competent team of scientists in a laboratory that has over 10 years of experience with next-generation sequencing and is in the process of being ISO/IEC 17025 certified.

Need more information? Just ask!
Feel free to contact us at **services@integragen.com**