

FUSION

HRD

ThermoFisher  
SCIENTIFIC

TMB

# OncoPrint Comprehensive Assay Plus




Comprehensive genomic profiling without compromise

Comprehensive genomic profiling (CGP) is helping advance precision oncology research through the simultaneous analysis of multiple relevant biomarkers in a single next-generation sequencing (NGS) test. Today's labs require the ability to interrogate complex biomarkers such as HRD, MSI, and TMB. However, the high sample input volume requirements and other technical limitations of some hybrid capture-based NGS assays mean that a large portion of clinical research samples are not eligible for testing. The Ion Torrent™ OncoPrint™ Comprehensive Assay Plus provides CGP without these limitations.

### Increasing need for genomic data

A growing amount of data generated by CGP is helping to drive precision oncology research

### Competitive offerings are limited

-  Need for large amount of tissue sample to be analyzed
-  High rate of sequencing failure
-  Complex, labor-intensive workflows

## OncoPrint Comprehensive Assay Plus

**From one sample in one assay run, you can deliver comprehensive genomic profiling based on DNA and RNA analysis of >500 genes**

### Single-gene biomarkers



### Multiple-gene biomarkers



Mutations (SNVs and indels)

Fusions

Copy number variants (CNVs)

Large alterations of *BRCA1* and *BRCA2*

Genomic instability metric (GIM)

Tumor mutational burden (TMB)

Micro-satellite instability (MSI)

**Without having to compromise on:**

20 ng

### Input requirements

Low FFPE sample input of 20 ng DNA or RNA means more, and smaller, samples can be tested

>95%

### Testing success

High rate of sequencing success (>95%) means more samples are successfully tested



### Bioinformatics solution

A turnkey bioinformatics and reporting solution, engineered for CGP



### Automation and hands-on time

End-to-end, highly automated workflow supports lab efficiency

Find out more at [thermofisher.com/ocaplus](https://thermofisher.com/ocaplus)

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