

Oncomine Comprehensive Assay Plus

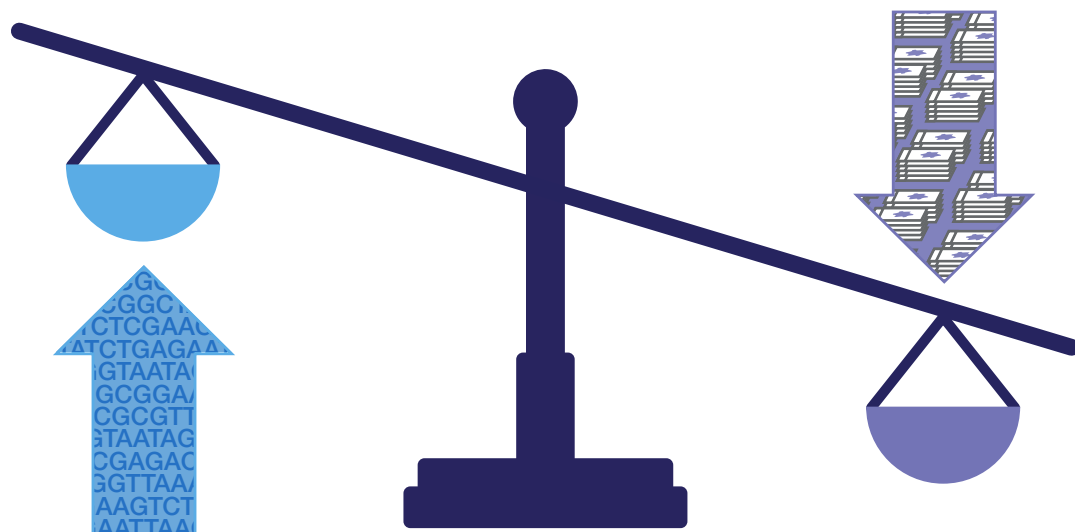
Truly comprehensive genomic profiling without compromises

Comprehensive genomic profiling (CGP) is advancing precision oncology research through the analysis of multiple relevant biomarkers in a single next-generation sequencing (NGS) test. However, the high sample input volume requirements and other technical limitations of some hybrid capture-based NGS assays, mean that >57% of clinical research samples are not even eligible for testing. The Ion Torrent™ Oncomine™ Comprehensive Assay Plus provides CGP without these limitations.

Existing tools are limited

Increasing need for genomic data

A growing amount of data generated by CGP is driving precision oncology research



Limitations and compromises

Need for a large amount of sample to be analyzed; complex, labor-intensive workflows and high rate of sequencing failure (>25%)

Oncomine Comprehensive Assay Plus

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

Single-gene biomarkers



Multiple-gene biomarkers



Mutations (SNVs and indels)

Novel and known fusions

Copy number variants (CNVs)

Genomic instability (LOH)

Mutational signatures

Tumor mutational burden (TMB)

Micro-satellite instability (MSI)

... without having to compromise on:



Input requirements

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



Testing success

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



Bioinformatics solution

A streamlined bioinformatics solution including reporting



Automation and turnaround time

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