iontorrent

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

- Mutations (SNVs and indels)
- Novel and known fusions
- Copy number variants (CNVs)
- Genomic instability (LOH)

Multiple-gene biomarkers

- Mutational signatures
- Tumor mutational burden (TMB)
- Micro-satellite instability (MSI)

... without having to compromise on:

Input requirements

20 ng

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

Testing success

>95%

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

Bioinformatics solution

A streamlined bioinformatics solution including reporting

Automation and hands-on time

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

Find out more at **thermofisher.com/ocaplus**

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